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NA# _____ AA# _____

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OM protein - protein search, using sw model

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Perfect score: 2315
Sequence: 1 MSGRDTLGLCALALSLA.....QQDKHSLSRNGTEQLAIR 445

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
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Listing first 1500 summaries

Database : Published Applications AA Main:
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
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SUMMARIES

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27	2315	100.0	445	3	US-09-997-428-177 Sequence 177, App
562	2315	100.0	445	4	US-10-174-587-148 Sequence 148, App
626	2315	100.0	445	5	US-10-063-742-32 Sequence 32, App1
741	2315	100.0	445	5	US-10-972-317-32 Sequence 32, App1
743	2315	100.0	445	5	US-10-950-374-177 Sequence 177, App
751	2315	100.0	445	6	US-11-102-240-32 Sequence 32, App1
752	2315	100.0	445	6	US-11-103-195-32 Sequence 32, App1
753	2314	99.9	653	4	US-10-062-937B-5 Sequence 5, App1
754	2314	99.9	653	4	US-10-391-339-73 Sequence 73, App1
755	2280.5	98.5	648	5	US-10-330-773-825 Sequence 825, App
756	1696.5	73.3	558	5	US-10-330-773-825 Sequence 825, App
757	1456	62.9	275	3	US-09-833-245-1911 Sequence 1911, App
758	1456	62.9	275	6	US-11-264-096-1911 Sequence 1911, App
759	1443	62.3	275	3	US-09-833-245-1910 Sequence 1910, App
760	1443	62.3	275	6	US-11-264-096-1910 Sequence 1910, App
761	1132	48.9	653	4	US-10-062-937B-9 Sequence 9, App1
762	1132	48.9	653	4	US-10-391-339-77 Sequence 77, App1
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767	1121	48.4	657	6	US-11-080-991-48 Sequence 48, App1
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780	594.5	25.7	704	5	US-10-284-660-7 Sequence 7, App1
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1137	108.5	4.7	346	4	US-10-240-801A-11	Sequence 11, Appl	1210	99	4.3	371	3	US-10-201-187-2	Sequence 2, Appl
1138	108.5	4.7	346	5	US-10-851-438-83	Sequence 83, Appl	1211	99	4.3	371	4	US-10-201-187-2	Sequence 2, Appl

1212	99	4.3	371	4	US-10-225-567A-235	Sequence 235, App	1285	96.5	4.2	613	4	US-10-251-385-92	Sequence 92, App1
1213	99	4.3	371	4	US-10-229-728-664	Sequence 664, App	1286	96.5	4.2	953	4	US-10-128-714-2297	Sequence 3297, App
1214	99	4.3	371	4	US-10-603-566-2	Sequence 2, App1	1287	96.5	4.2	954	4	US-10-437-963-204079	Sequence 204079, App
1215	99	4.3	371	5	US-10-753-267-128	Sequence 128, App	1288	96.5	4.2	1056	4	US-10-128-714-2297	Sequence 8297, App
1216	99	4.3	371	5	US-10-893-485-2	Sequence 2, App1	1289	96	4.1	244	4	US-10-437-963-153664	Sequence 153664, App
1217	99	4.3	371	5	US-10-237-813-3	Sequence 3, App1	1290	96	4.1	338	4	US-10-343-650A-678	Sequence 678, App
1218	99	4.3	371	6	US-11-134-811-2	Sequence 2, App1	1291	96	4.1	416	4	US-10-335-977-5911	Sequence 5911, App
1219	99	4.3	373	6	US-11-218-281-1	Sequence 1, App1	1292	96	4.1	421	4	US-10-335-977-5912	Sequence 5912, App
1220	99	4.3	373	6	US-11-218-281-28	Sequence 28, App1	1293	96	4.1	438	4	US-10-282-122A-55742	Sequence 55742, App
1221	99	4.3	385	5	US-10-617-350-4643	Sequence 4643, App	1294	96	4.1	670	4	US-10-282-122A-69771	Sequence 69771, App
1222	99	4.3	611	5	US-10-505-486-90	Sequence 90, App1	1295	96	4.1	786	4	US-10-424-599-254383	Sequence 254383, App
1223	99	4.3	788	4	US-10-322-281-663	Sequence 663, App	1296	96	4.1	2288	4	US-10-736-883-40	Sequence 40, App1
1224	98.5	4.3	394	4	US-10-282-122A-78100	Sequence 78100, App	1297	95.5	4.1	393	4	US-10-282-122A-43114	Sequence 43114, App
1225	98.5	4.3	442	4	US-10-282-122A-58750	Sequence 58720, App	1298	95	4.1	292	4	US-10-276-774-1924	Sequence 1924, App
1226	98.5	4.3	485	4	US-10-369-493-18121	Sequence 18121, App	1299	95	4.1	308	4	US-10-017-161-692	Sequence 692, App
1227	98.5	4.3	485	5	US-10-732-923-23457	Sequence 23457, App	1300	95	4.1	318	5	US-10-793-626-1118	Sequence 3118, App
1228	98.5	4.3	496	6	US-11-097-143-11013	Sequence 11013, App	1301	95	4.1	319	4	US-10-221-079-21	Sequence 21, App1
1229	98.5	4.3	695	6	US-11-042-865-138	Sequence 138, App	1302	95	4.1	319	4	US-10-292-798-604	Sequence 604, App
1230	98.5	4.3	695	4	US-10-072-012-397	Sequence 397, App	1303	95	4.1	319	4	US-10-311-196-10	Sequence 10, App1
1231	98	4.2	318	3	US-09-800-274-6	Sequence 6, App1	1304	95	4.1	319	5	US-10-511-538-21	Sequence 21, App1
1232	98	4.2	318	4	US-10-225-567A-30	Sequence 30, App1	1305	95	4.1	484	6	US-11-188-298-18146	Sequence 10146, App
1233	98	4.2	318	4	US-10-755-889-600	Sequence 600, App	1306	95	4.1	530	4	US-10-724-972A-5048	Sequence 5048, App
1234	98	4.2	318	5	US-10-756-149-5650	Sequence 5650, App	1307	94.5	4.1	294	4	US-10-282-122A-44615	Sequence 44615, App
1235	98	4.2	318	6	US-11-127-877-38	Sequence 38, App1	1308	94.5	4.1	387	5	US-10-793-626-3180	Sequence 3180, App
1236	98	4.2	321	3	US-09-825-882-4	Sequence 4, App1	1309	94.5	4.1	416	4	US-10-282-122A-63267	Sequence 63267, App
1237	98	4.2	321	4	US-10-297-798-1732	Sequence 1732, App	1310	94.5	4.1	431	3	US-09-944-049-11	Sequence 16, App1
1238	98	4.2	321	4	US-10-724-208-4	Sequence 4, App1	1311	94.5	4.1	437	6	US-11-079-463-8067	Sequence 8067, App
1239	98	4.2	321	4	US-10-770-127-175	Sequence 175, App	1312	94.5	4.1	701	5	US-10-450-763-88967	Sequence 38967, App
1240	98	4.2	321	5	US-10-724-209-4	Sequence 4, App1	1313	94.5	4.1	735	4	US-10-437-963-162148	Sequence 162148, App
1241	98	4.2	321	5	US-10-966-871-4	Sequence 4, App1	1314	94.5	4.1	741	5	US-10-450-763-55419	Sequence 55419, App
1242	98	4.2	338	4	US-10-017-161-2086	Sequence 2086, App	1315	94.5	4.1	857	6	US-11-052-554A-218	Sequence 12, App1
1243	98	4.2	338	4	US-10-017-161-2140	Sequence 2140, App	1316	94	4.1	49	4	US-10-052-937B-12	Sequence 12, App1
1244	98	4.2	338	4	US-10-292-798-1786	Sequence 1786, App	1317	94	4.1	49	4	US-10-331-399-80	Sequence 80, App1
1245	98	4.2	338	4	US-10-343-650A-676	Sequence 676, App	1318	94	4.1	335	4	US-10-333-946-11	Sequence 11, App1
1246	98	4.2	451	5	US-10-617-320-4466	Sequence 4466, App	1319	94	4.1	340	3	US-09-791-932-117	Sequence 117, App
1247	98	4.2	486	4	US-10-724-972A-4076	Sequence 4076, App	1320	94	4.1	340	4	US-09-990-340-2	Sequence 2, App1
1248	98	4.2	642	4	US-10-282-122A-51332	Sequence 51332, App	1321	94	4.1	340	3	US-09-964-923A-2	Sequence 2, App1
1249	98	4.2	663	3	US-09-815-242-10070	Sequence 10070, App	1322	94	4.1	340	4	US-10-235-567A-666	Sequence 666, App
1250	98	4.2	663	4	US-10-287-274-332	Sequence 332, App	1323	94	4.1	340	4	US-10-231-990-29	Sequence 29, App1
1251	98	4.2	663	4	US-10-282-122A-56452	Sequence 56452, App	1324	94	4.1	340	4	US-10-321-807-40	Sequence 40, App1
1252	97.5	4.2	250	4	US-10-282-122A-62825	Sequence 62825, App	1325	94	4.1	340	4	US-10-332-082-3	Sequence 3, App1
1253	97.5	4.2	250	4	US-10-282-122A-64530	Sequence 64530, App	1326	94	4.1	340	4	US-10-472-629-3	Sequence 37, App1
1254	97.5	4.2	373	4	US-10-225-567A-402	Sequence 402, App	1327	94	4.1	340	4	US-10-478-534-4	Sequence 40, App1
1255	97.5	4.2	374	4	US-10-242-489-3	Sequence 3, App1	1328	94	4.1	340	4	US-10-321-807-40	Sequence 40, App1
1256	97.5	4.2	453	5	US-10-793-626-1516	Sequence 1516, App	1329	94	4.1	340	4	US-10-314-048A-40	Sequence 40, App1
1257	97.5	4.2	454	4	US-10-335-977-6163	Sequence 6163, App	1330	94	4.1	340	4	US-10-477-985-58	Sequence 58, App1
1258	97.5	4.2	456	4	US-10-335-977-6164	Sequence 6164, App	1331	94	4.1	340	4	US-10-680-402-2	Sequence 2, App1
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1260	97.5	4.2	663	4	US-10-282-122A-78152	Sequence 78152, App	1333	94	4.1	340	5	US-10-500-672-37	Sequence 37, App1
1261	97	4.2	335	4	US-10-278-455-4	Sequence 4, App1	1334	94	4.1	340	5	US-10-941-486-5	Sequence 5, App1
1262	97	4.2	335	4	US-10-278-457-4	Sequence 4, App1	1335	94	4.1	340	5	US-10-930-662-40	Sequence 40, App1
1263	97	4.2	335	4	US-10-240-540-16	Sequence 16, App1	1336	94	4.1	340	5	US-10-980-388-117	Sequence 117, App
1264	97	4.2	335	5	US-10-975-367-16	Sequence 16, App1	1337	94	4.1	340	6	US-11-038-360-2	Sequence 2, App1
1265	97	4.2	335	5	US-10-511-549-4	Sequence 4, App1	1338	94	4.1	340	6	US-11-127-877-53	Sequence 53, App1
1266	97	4.2	343	3	US-09-886-055-411	Sequence 411, App	1339	94	4.1	474	4	US-10-437-963-175542	Sequence 175542, App
1267	97	4.2	343	3	US-09-804-221-411	Sequence 411, App	1340	94	4.1	494	6	US-11-079-463-8915	Sequence 8915, App
1268	97	4.2	343	4	US-10-343-650A-496	Sequence 496, App	1341	94	4.1	495	3	US-09-915-181A-7	Sequence 7, App1
1269	97	4.2	343	5	US-10-467-252-13	Sequence 13, App1	1342	94	4.1	495	4	US-10-755-889-588	Sequence 588, App
1270	97	4.2	343	5	US-10-819-316-411	Sequence 411, App	1343	94	4.1	495	5	US-10-823-506-2	Sequence 2, App1
1271	97	4.2	440	6	US-11-087-099-10394	Sequence 10394, App	1344	94	4.1	495	5	US-10-631-467-768	Sequence 768, App
1272	97	4.2	528	6	US-11-097-143-44504	Sequence 24504, App	1345	94	4.1	518	4	US-10-104-047-3441	Sequence 3441, App
1273	97	4.2	540	5	US-10-732-923-22268	Sequence 22268, App	1346	94	4.1	518	6	US-11-072-512-3441	Sequence 3441, App
1274	97	4.2	613	4	US-10-251-385-212	Sequence 212, App	1347	94	4.1	536	6	US-09-776-865-2	Sequence 2, App1
1275	97	4.2	613	4	US-10-225-567A-356	Sequence 356, App	1348	94	4.1	536	5	US-10-823-506-8	Sequence 8, App1
1276	97	4.2	663	3	US-09-781-880-5	Sequence 5, App1	1349	93.5	4.0	569	4	US-10-282-122A-75619	Sequence 75619, App
1277	97	4.2	663	3	US-10-466-720-2	Sequence 2, App1	1350	93.5	4.0	609	6	US-11-087-099-8265	Sequence 8265, App
1278	97	4.2	691	4	US-10-094-749-2607	Sequence 2607, App	1351	93.5	4.0	609	6	US-11-188-298-18635	Sequence 18635, App
1279	97	4.2	691	4	US-10-429-160-78	Sequence 160, App1	1352	93.5	4.0	633	3	US-09-949-029-4	Sequence 4, App1
1280	97	4.2	849	6	US-11-097-143-6303	Sequence 6303, App	1353	93.5	4.0	633	4	US-10-207-333-159	Sequence 159, App
1281	97	4.2	851	5	US-10-505-486-116	Sequence 116, App	1354	93.5	4.0	633	6	US-11-097-143-32514	Sequence 32514, App
1282	96.5	4.2	804	5	US-10-282-122A-67141	Sequence 67141, App	1355	93.5	4.0	649	4	US-10-282-122A-53761	Sequence 53761, App
1283	96.5	4.2	453	4	US-10-282-122A-70458	Sequence 70458, App	1356	93.5	4.0	865	6	US-11-188-298-17345	Sequence 17345, App
1284	96.5	4.2	454	4	US-10-724-972A-4461	Sequence 4461, App	1357	93.5	4.0	928	5	US-10-841-129-6	Sequence 6, App1

1358	93.5	4.0	950	5	US-10-733-923-22431	Sequence 22431, A	1431	91	3.9	369	3	US-09-826-508-36	Sequence 36, Appl
1359	93	4.0	237	6	US-11-096-568A-19997	Sequence 19997, A	1432	91	3.9	369	5	US-10-149-826-7	Sequence 7, Appl
1360	93	4.0	241	6	US-11-096-568A-19996	Sequence 19996, A	1433	91	3.9	372	4	US-10-081-816-30	Sequence 30, Appl
1361	93	4.0	335	4	US-10-094-417-18	Sequence 18, Appl	1434	91	3.9	372	4	US-10-447-328-32	Sequence 32, Appl
1362	93	4.0	335	4	US-10-278-455-25	Sequence 25, Appl	1435	91	3.9	419	3	US-09-826-508-34	Sequence 34, Appl
1363	93	4.0	335	4	US-10-278-437-25	Sequence 25, Appl	1436	91	3.9	419	3	US-09-875-076-2	Sequence 2, Appl
1364	93	4.0	335	6	US-11-086-846-18	Sequence 18, Appl	1437	91	3.9	419	3	US-09-876-252-2	Sequence 2, Appl
1365	93	4.0	356	4	US-10-447-328-82	Sequence 82, Appl	1438	91	3.9	419	3	US-09-811-838-8	Sequence 8, Appl
1366	93	4.0	397	4	US-10-369-493-943	Sequence 369, App	1439	91	3.9	419	3	US-09-953-686-8	Sequence 8, Appl
1367	93	4.0	399	4	US-10-225-567A-360	Sequence 360, App	1440	91	3.9	419	4	US-10-225-567A-569	Sequence 569, App
1368	93	4.0	399	4	US-10-712-124-14	Sequence 14, Appl	1441	91	3.9	419	4	US-10-272-993-2	Sequence 2, Appl
1369	93	4.0	399	6	US-10-287-436A-579	Sequence 579, App	1442	91	3.9	419	4	US-10-275-703-1	Sequence 1, Appl
1370	93	4.0	399	6	US-11-152-366-45	Sequence 45, Appl	1443	91	3.9	419	4	US-10-393-807-2	Sequence 2, Appl
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1372	93	4.0	454	6	US-11-188-298-10739	Sequence 10739, A	1445	91	3.9	419	4	US-10-455-127-2	Sequence 2, Appl
1373	93	4.0	613	4	US-10-292-525-2	Sequence 2, Appl	1446	91	3.9	419	4	US-10-723-955-2	Sequence 2, Appl
1374	93	4.0	613	5	US-10-482-028-249	Sequence 249, App	1447	91	3.9	419	4	US-10-782-596-2	Sequence 2, Appl
1375	93	4.0	613	5	US-10-482-028C-2	Sequence 2, Appl	1448	91	3.9	419	5	US-10-684-206-18	Sequence 18, Appl
1376	92.5	4.0	296	6	US-11-188-298-16100	Sequence 16100, A	1449	91	3.9	419	5	US-10-723-955-2	Sequence 2, Appl
1377	92.5	4.0	354	6	US-11-096-568A-23661	Sequence 23661, A	1450	91	3.9	419	6	US-11-067-884-8	Sequence 8, Appl
1378	92.5	4.0	504	4	US-10-238-075-614	Sequence 614, App	1451	91	3.9	439	4	US-10-282-122A-74025	Sequence 74025, A
1379	92.5	4.0	591	4	US-10-282-122A-74312	Sequence 74312, A	1452	91	3.9	439	5	US-10-472-928-2710	Sequence 2710, Ap
1380	92.5	4.0	663	4	US-10-282-122A-59857	Sequence 59857, A	1453	91	3.9	500	4	US-10-292-122A-57785	Sequence 57785, A
1381	92.5	4.0	4226	5	US-10-732-923-22707	Sequence 22707, A	1454	91	3.9	512	4	US-10-335-977-5674	Sequence 5674, Ap
1382	92	4.0	349	3	US-09-966-782A-11	Sequence 11, Appl	1455	91	3.9	657	5	US-10-505-466-18	Sequence 48, Appl
1383	92	4.0	349	3	US-09-992-331-12	Sequence 12, Appl	1456	91	3.9	752	4	US-10-425-115-239772	Sequence 239772, A
1384	92	4.0	349	4	US-10-090-569-5	Sequence 5, Appl	1457	91	3.9	779	5	US-10-476-460-23	Sequence 23, Appl
1385	92	4.0	349	4	US-10-212-980-7	Sequence 7, Appl	1458	91	3.9	913	5	US-10-957-503-5	Sequence 5, Appl
1386	92	4.0	349	4	US-10-225-567A-126	Sequence 126, App	1459	91	3.9	2327	4	US-10-736-883-38	Sequence 38, Appl
1387	92	4.0	349	4	US-10-262-313-12	Sequence 12, Appl	1460	91	3.9	354	6	US-11-096-568A-15100	Sequence 15100, A
1388	92	4.0	349	4	US-10-166-568-2	Sequence 2, Appl	1461	90.5	3.9	355	4	US-10-251-385-2	Sequence 2, Appl
1389	92	4.0	349	4	US-10-254-905-11	Sequence 11, Appl	1462	90.5	3.9	355	4	US-10-225-567A-243	Sequence 243, App
1390	92	4.0	349	4	US-10-359-285-6	Sequence 6, Appl	1463	90.5	3.9	355	6	US-11-218-281-26	Sequence 26, Appl
1391	92	4.0	349	4	US-10-353-690-84	Sequence 84, Appl	1464	90.5	3.9	391	6	US-11-188-298-608	Sequence 608, App
1392	92	4.0	349	4	US-10-768-878-12	Sequence 12, Appl	1465	90.5	3.9	396	4	US-10-282-122A-50261	Sequence 50261, A
1393	92	4.0	349	6	US-11-060-291-17	Sequence 17, Appl	1466	90.5	3.9	407	6	US-11-188-298-22248	Sequence 22248, A
1394	92	4.0	350	6	US-10-474-776-235	Sequence 7460, Ap	1467	90.5	3.9	442	4	US-10-335-977-5310	Sequence 5310, Ap
1395	92	4.0	413	5	US-10-472-928-544	Sequence 235, App	1468	90.5	3.9	445	3	US-09-799-978-14	Sequence 34, Appl
1396	92	4.0	413	5	US-10-299-644-32	Sequence 544, App	1469	90.5	3.9	445	4	US-10-649-852-34	Sequence 34, Appl
1397	92	4.0	446	4	US-10-195-518-6	Sequence 32, Appl	1470	90.5	3.9	446	4	US-10-282-122A-55022	Sequence 55022, A
1398	92	4.0	457	4	US-10-767-701-46532	Sequence 46532, A	1471	90.5	3.9	446	5	US-10-503-135-130	Sequence 130, App
1399	92	4.0	482	4	US-10-391-074-4	Sequence 4, Appl	1472	90.5	3.9	448	6	US-11-188-298-22202	Sequence 22202, A
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1402	92	4.0	1027	4	US-10-268-051-8	Sequence 2, Appl	1475	90.5	3.9	515	3	US-09-897-019-2	Sequence 2, Appl
1403	92	4.0	1027	4	US-10-125-772-2	Sequence 2, Appl	1476	90.5	3.9	515	5	US-10-369-493-33311	Sequence 23311, A
1404	92	4.0	1027	4	US-10-016-496-2	Sequence 2, Appl	1477	90.5	3.9	520	6	US-11-087-089-7402	Sequence 7402, Ap
1405	92	4.0	1027	4	US-10-410-885-2	Sequence 2, Appl	1478	90.5	3.9	638	4	US-10-335-952-11	Sequence 11, Appl
1406	92	4.0	1027	5	US-11-085-964-8	Sequence 8, Appl	1479	90.5	3.9	706	5	US-10-501-282-2868	Sequence 2868, Ap
1407	92	4.0	1027	6	US-11-085-964-2	Sequence 2, Appl	1480	90.5	3.9	861	5	US-10-617-330-2860	Sequence 2860, Ap
1408	92	4.0	1027	6	US-11-086-832-2	Sequence 2, Appl	1481	90.5	3.9	1046	4	US-10-369-493-3073	Sequence 3073, Ap
1409	92	4.0	1027	6	US-11-079-463-6200	Sequence 6200, Ap	1482	90.5	3.9	4226	5	US-10-732-923-22586	Sequence 22586, A
1410	92	4.0	1083	6	US-10-033-021-10	Sequence 10, Appl	1483	90	3.9	324	3	US-09-800-321A-73	Sequence 73, Appl
1411	92	4.0	1170	4	US-10-033-021-10	Sequence 10, Appl	1484	90	3.9	324	4	US-10-305-555-11	Sequence 11, Appl
1412	92	4.0	2336	4	US-10-736-883-30	Sequence 30, Appl	1485	90	3.9	329	3	US-09-725-285-9	Sequence 9, Appl
1413	92	4.0	2336	4	US-10-736-883-30	Sequence 30, Appl	1486	90	3.9	329	3	US-09-195-662A-9	Sequence 9, Appl
1414	92	4.0	374	4	US-10-282-122A-63616	Sequence 63616, A	1487	90	3.9	329	3	US-09-339-912A-9	Sequence 9, Appl
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1418	91.5	4.0	463	4	US-10-627-476-630	Sequence 630, App	1491	90	3.9	332	6	US-11-188-298-19569	Sequence 19569, A
1419	91.5	4.0	463	6	US-11-188-298-16632	Sequence 16632, A	1492	90	3.9	349	3	US-09-826-509-503	Sequence 503, App
1420	91.5	4.0	488	4	US-10-017-161-742	Sequence 742, App	1493	90	3.9	349	5	US-10-925-095-503	Sequence 2098, App
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1424	91.5	4.0	850	4	US-10-472-928-4682	Sequence 4682, Ap	1497	90	3.9	478	6	US-11-096-568A-30115	Sequence 30115, A
1425	91.5	4.0	850	5	US-09-816-685-2	Sequence 2, Appl	1498	90	3.9	505	4	US-10-156-761-11827	Sequence 11827, A
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ALIGNMENTS

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RESULT 1
; Sequence 177, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bostein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C63
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

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Best Local Similarity 100.0%; Pred. No. 2,1e-211; Indels 0; Gaps 0;

Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 DISILDTERENKCVLGFALVSTGITYAVLLVILVLRRIKLTVELFOITNKKAISAPF 120
Qy 121 LTFQPLMTFALIFEFVWLVAVNLISLGTAGANWGGGVKEKPLSGIRYMSYHLIGLI 180
Db 121 LTFQPLMTFALIFEFVWLVAVNLISLGTAGANWGGGVKEKPLSGIRYMSYHLIGLI 180

Qy 181 WTSEFIIACQOMTITAGAVTTCYFNRSKNDDPDHPILSLILFFYHOGTVKGSFLISVY 240
Db 181 WTSEFIIACQOMTITAGAVTTCYFNRSKNDDPDHPILSLILFFYHOGTVKGSFLISVY 240
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Db 241 RIPRIIWMQNALKEQDHGALSRYLFRCCYCCPCWCLDKTILHINQNAYYTTTAINGTDFC 300
Qy 301 TSAKDARFIISSKNSHFTSINCFDFTIIFLGRVLVCEFTVFGGLMAFNRYRAFQVMAVPL 360
Db 301 TSAKDARFIISSKNSHFTSINCFDFTIIFLGRVLVCEFTVFGGLMAFNRYRAFQVMAVPL 360
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Db 361 LTVAFPAVLVAHSPLSVEFTVLDALFLCPAVDLETNDSSSEKPYFMDQEFISFYKRSNKL 420
Qy 421 NNARAQODKHSILRNEBGTLEQATVR 445
Db 421 NNARAQODKHSILRNEBGTLEQATVR 445

RESULT 2

Sequence 177, Application US/09989723

Patent No. US20020072092A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Deenoyere, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2730P1C62

CURRENT APPLICATION NUMBER: US/09/989, 723

CURRENT FILING DATE: 2001-11-19

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066770

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/083322

PRIOR FILING DATE: 1998-04-28

PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07

[illegible]

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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2.1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 DLSIEDTERENMKCVLGFALVSTGITAVLVLIIFVLRKRIKLIVELFOITNKAISSAPF 120
QY 121 LLFQPLMTFAIIFFWVLWVAVLISLGTAGAAQVMEGQVEYKPLSGIRYMSYHLIGLI 180
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QY 181 WTSEFIILACQOQTITAGAVVTCYFNSKNDPDPHILISLSILFFYHOGTVVKGSLISV 240
DB 181 WTSEFIILACQOQTITAGAVVTCYFNSKNDPDPHILISLSILFFYHOGTVVKGSLISV 240
QY 241 RIPRIIWMONALKEQOOGALSRYLFRCCYCCFQCLDKYLLHQNAYTTAINGTDFC 300
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RESULT 3
; Sequence 177, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerder, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC56
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; CURRENT FILING DATE: 2001-11-19
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; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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;; PRIOR FILING DATE: 1998-06-26
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;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-211; Indels 0; Gaps 0;
Matches 445; Conservative 0; Mismatches 0;

QY 1 MSGRDTLGCIALALSLAMFFERTTLVHIFISLVILGLFVCGVLMVLYYTIN 60
DB 1 MSGRDTLGCIALALSLAMFFERTTLVHIFISLVILGLFVCGVLMVLYYTIN 60
QY 61 DLSIEDTERENMKCVGFPAIVSTGITAVALVLIFFVLRKRKIKLTVELFOITNKAISSAPF 120
DB 61 DLSIEDTERENMKCVGFPAIVSTGITAVALVLIFFVLRKRKIKLTVELFOITNKAISSAPF 120
QY 121 LFPQPLMTFAILIFFWVLMVAVALISLGTAGAAQMEGQVEYKLSGIRYMSYHLGLI 180
DB 121 LFPQPLMTFAILIFFWVLMVAVALISLGTAGAAQMEGQVEYKLSGIRYMSYHLGLI 180
QY 181 WTSEFIACCOOMTAGAVVTCYFNRSKNDDPDHILSSLSILFFYHOGTVVKSFLISVV 240
DB 181 WTSEFIACCOOMTAGAVVTCYFNRSKNDDPDHILSSLSILFFYHOGTVVKSFLISVV 240
QY 241 RIRPIIVMYQNALKEQOHGALSRYLFRCCYCCFWCLDKYLLHNLONAYTTTAINGTDFC 300
DB 241 RIRPIIVMYQNALKEQOHGALSRYLFRCCYCCFWCLDKYLLHNLONAYTTTAINGTDFC 300
QY 301 TSAADAFKILSKNSHTSINCFDPIIFLGKVLVCFYFGGIMATRYNRAFOVMAVPL 360
DB 301 TSAADAFKILSKNSHTSINCFDPIIFLGKVLVCFYFGGIMATRYNRAFOVMAVPL 360
QY 361 LVAFFAYLVAHSLSFETVLDALFLCPAVDLETNDSSSEKPYEMOEFSLFYKRSNKL 420
DB 361 LVAFFAYLVAHSLSFETVLDALFLCPAVDLETNDSSSEKPYEMOEFSLFYKRSNKL 420
QY 421 NNARAQODKSLRNEEGTELOAIYR 445
DB 421 NNARAQODKSLRNEEGTELOAIYR 445

RESULT 4
; Sequence 177, Application US/0989727
; Patent No. US20020072497A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, D. Christopher
APPLICANT: Gurney, Auerin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C65
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: US/09/989,727
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/049787
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PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2.1e-211;

Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSGRDTIIGLCITLALSLAMFFRFTITLLVHIFISLVILGILFVCGVLMWLYDYDTN 60
DB 1 MSGRDTIIGLCITLALSLAMFFRFTITLLVHIFISLVILGILFVCGVLMWLYDYDTN 60
QY 61 DLSIEDTERENMKCVLGFALVSTGTAVLVLFVLRKRKLTVELFOINNKAISSAPF 120
DB 61 DLSIEDTERENMKCVLGFALVSTGTAVLVLFVLRKRKLTVELFOINNKAISSAPF 120
QY 121 LLFQPLMTFAILIFFWLVMAVVLISLGTAGAAQVME3QOVEYKPLSGIRYMSYHLIGLI 180
DB 121 LLFQPLMTFAILIFFWLVMAVVLISLGTAGAAQVME3QOVEYKPLSGIRYMSYHLIGLI 180
QY 181 WTSEIILACQOMTLAGAVVTCTYFNRSKNDPDHPLSSLSILFFHQGTIVVKGSLISV 240
DB 181 WTSEIILACQOMTLAGAVVTCTYFNRSKNDPDHPLSSLSILFFHQGTIVVKGSLISV 240
QY 241 RIPRIIVYMONALKEOQHALSRILFRCYCCCFCLKXVLLHNONAYTTTANGDTPC 300
DB 241 RIPRIIVYMONALKEOQHALSRILFRCYCCCFCLKXVLLHNONAYTTTANGDTPC 300
QY 301 TSAADAFILSKNSHFTSINCFGDFIIFLGKVLVVCFTVFGGLMAFNYNRAFOVMVAVL 360
DB 301 TSAADAFILSKNSHFTSINCFGDFIIFLGKVLVVCFTVFGGLMAFNYNRAFOVMVAVL 360

QY 361 LTVAFPAIVVAHSLSVPEVTLDALFLCEAVDLETNQSSSEKPYFMDOEFLSVKRSNKL 420
DB 361 LTVAFPAIVVAHSLSVPEVTLDALFLCEAVDLETNQSSSEKPYFMDOEFLSVKRSNKL 420
QY 421 NNARAQODKXSLRNEEGTELQAIYR 445
DB 421 NNARAQODKXSLRNEEGTELQAIYR 445

RESULT 5

Sequence 177, Application US/09989731
Patent No. US20020103125A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Bolstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary B.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
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APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Collin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C70
CURRENT APPLICATION NUMBER: US/09/989,731
PRIOR FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
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PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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;; PRIOR APPLICATION NUMBER: 60/090246
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;; PRIOR APPLICATION NUMBER: 60/090863
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;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-21; Indels 0; Gaps 0;
Matches 445; Conservative 0; Mismatches 0;

Qy 1 MSGRDTIGLCIALALSLAMMFTFRITTLVHIFISLVILGLLFCVGLVLMVLYDYDTN 60
DB 1 MSGRDTIGLCIALALSLAMMFTFRITTLVHIFISLVILGLLFCVGLVLMVLYDYDTN 60

Qy 61 DLSIELDERENMKCVLGPATVSTGTAVLVLIIFVLKRIKLTVELFOITNKATSSPF 120
Db 61 DLSIELDERENMKCVLGPATVSTGTAVLVLIIFVLKRIKLTVELFOITNKATSSAPF 120
Qy 121 LLFQPLMTFALLIFPFWLVAVLISLGTAGAAQWEGQVEKPKLSGIRYMSYHLIGLI 180
Db 121 LLFQPLMTFALLIFPFWLVAVLISLGTAGAAQWEGQVEKPKLSGIRYMSYHLIGLI 180
Qy 181 WTSEIILACQOQMTAGAVVTCYFNRSKNDPPDHPILSLISLIFPHOCTVVKGSFLISVV 240
Db 181 WTSEIILACQOQMTAGAVVTCYFNRSKNDPPDHPILSLISLIFPHOCTVVKGSFLISVV 240
Qy 241 RIPRIIVVMONALKEOQHGALSRLPRCCVCCFCLKXVLIHNAQNYTTTAINGTGFC 300
Db 241 RIPRIIVVMONALKEOQHGALSRLPRCCVCCFCLKXVLIHNAQNYTTTAINGTGFC 300
Qy 301 TSAQDAFKILSKNSHFTSINCFDPIIFLGKVLVCTVFGGLMAFYNAFAQWAVPL 360
Db 301 TSAQDAFKILSKNSHFTSINCFDPIIFLGKVLVCTVFGGLMAFYNAFAQWAVPL 360
Qy 361 LLVAFPAVLVAHSFLSVETVLDALFLCPAVDLETNDSSSEKPYMDQEPFLSPKRSNKL 420
Db 361 LLVAFPAVLVAHSFLSVETVLDALFLCPAVDLETNDSSSEKPYMDQEPFLSPKRSNKL 420
Qy 421 NNARAQODKHSLRNEGTLOAIR 445
Db 421 NNARAQODKHSLRNEGTLOAIR 445

RESULT 6

Sequence 177, Application US/09989732

Patent No. US20020123463A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

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APPLICANT: Grimaldi, Paul J.

APPLICANT: Grimaldi, V. Christopher

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APPLICANT: Kijavlin, Ivar J.

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APPLICANT: Stewart, Timothy A.

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APPLICANT: Wacanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2730P1C57

CURRENT APPLICATION NUMBER: US/09/989,732

CURRENT FILING DATE: 2001-11-19

PRIOR APPLICATION NUMBER: 60/049787

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;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 181 WTSFFIILACQOMTITAGAVVTCYFNRSKNDPPDHILSLSLFIFYHOGTYVKSFLISV 240
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QY 301 TSAADAFKILSKNSHFTSINCFDFTIIFLGKVLVCFYVFGMLAFNYNAFQWMAVPL 360
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QY 361 LLVAFPAVLVAHSLSPETVLDLFLCFANDLETNNGSSKPYFMQEFISFYKRSKL 420
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QY 421 NNARAODKXSLRNEEGTELOAIVR 445
DB 421 NNARAODKXSLRNEEGTELOAIVR 445

RESULT 7
Sequence 177, Application US/09991073
Patent No. US20020127576A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gutney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel

APPLICANT: Matanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC15
CURRENT APPLICATION NUMBER: US/09/991,073
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;; PRIOR FILING DATE: 1998-07-09

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QY 181 WTSEFIACQOMWTIAGAVVTCYFNRSKNDPDPHPLISLSILFPYHOGTVVXGSFLISV 240
DB 181 WTSEFIACQOMWTIAGAVVTCYFNRSKNDPDPHPLISLSILFPYHOGTVVXGSFLISV 240

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QY 301 TSAKAPKILSNSSHFTSINCFGDFIIFLGKVLVVCFTVFGGLAFAVNNRAFOVMAVPL 360
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QY 361 LIIAFPAVLVAHSFLSVETVLDALFLCPAVDLETNDGSSSEKPYMDEFLSFVRSNKL 420
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QY 421 NNARAQQDKHSLRNEBGTLOAIVR 445
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RESULT 8
; Sequence 177, Application US/09990442
; Patent No. US20020132252A1
; GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnovers, Luc
;; APPLICANT: Eaton, Dan L.
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;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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PRIOR FILING DATE: 1998-06-26
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PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2, 1e-211; Indels 0; Gaps 0;
Matches 445; Conservative 0; Mismatches 0;

QY 1 MSGRDTILGLCIATLALSLAMMFTFRFTTLVHIFISLVILGLFVCGVLMVLYDYTN 60
Db 1 MSGRDTILGLCIATLALSLAMMFTFRFTTLVHIFISLVILGLFVCGVLMVLYDYTN 60
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Db 61 DLSIEDTERENKVCVGFALVSTGTAVALLVILFVLRKRIKLTVELFQITNKXISSAPF 120
QY 121 LTFQPLWTFAILLFFWVLWVAVLLSLGTAGAQAQVMEGQVEYKPLSGIRYVMSYHLIGLI 180
Db 121 LTFQPLWTFAILLFFWVLWVAVLLSLGTAGAQAQVMEGQVEYKPLSGIRYVMSYHLIGLI 180
QY 181 WTSEFIIACQOMTTAGAVVTCYFNRSKNDPPDHPILSSLSILFFYHOGTVVYKGSFLLSVV 240
Db 181 WTSEFIIACQOMTTAGAVVTCYFNRSKNDPPDHPILSSLSILFFYHOGTVVYKGSFLLSVV 240
QY 241 RIPRIIMVWQNLKBOQHGLSRVLFRCVCYCCFWGLDKVLHNLQNAYYTTTALNGTDFC 300

Db 241 RIPIRIWYMOALKEQHGALSRLLPFCCTCCFLDKYLLHLNQNMVTTTAINIGTDFC 300
Qy 301 TSADAFKILSNSSHHFISINCFGDFIIFLGKVLVVCCTVFGGLMAFYNNAPFQWAVPL 360
Db 301 TSADAFKILSNSSHHFISINCFGDFIIFLGKVLVVCCTVFGGLMAFYNNAPFQWAVPL 360
Qy 361 LLVAFPAVLVHASFVSEFTVLDALFLCPAVDLETTNDSSSEKPYFMDOEFLSFVGRSKL 420
Db 361 LLVAFPAVLVHASFVSEFTVLDALFLCPAVDLETTNDSSSEKPYFMDOEFLSFVGRSKL 420
Qy 421 NNARAQODKHSIRNEEGTELQAIVR 445
Db 421 NNARAQODKHSIRNEEGTELQAIVR 445

RESULT 9
; Sequence 177, Application US/09991163
; Patent No. US20020132253A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Boetstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: KJavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC17
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR APPLICATION NUMBER: 60/087759
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; PRIOR APPLICATION NUMBER: 60/089907
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PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;

Best Local Similarity 100.0%; Pred. No. 2, 1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 421 NNARAQODKHSLSRNEBGTLEQATVR 445
Db 421 NNARAQODKHSLSRNEBGTLEQATVR 445
RESULT 10
Sequence 177, Application US/09993604
Patent No. US20020137075A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Batson, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottfredsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paonli, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC25
CURRENT FILING DATE: US/09/993,604
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17

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3	PRIOR APPLICATION NUMBER: 60/065311
4	PRIOR FILING DATE: 1997-11-13
5	PRIOR APPLICATION NUMBER: 60/066770
6	PRIOR FILING DATE: 1997-11-24
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8	PRIOR FILING DATE: 1998-02-25
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10	PRIOR FILING DATE: 1998-03-20
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16	PRIOR FILING DATE: 1998-05-28
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18	PRIOR FILING DATE: 1998-06-02
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22	PRIOR FILING DATE: 1998-06-02
23	PRIOR APPLICATION NUMBER: 60/087759
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67	PRIOR APPLICATION NUMBER: 60/088876
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69	PRIOR APPLICATION NUMBER: 60/089105
70	PRIOR FILING DATE: 1998-06-12
71	PRIOR APPLICATION NUMBER: 60/089440
72	PRIOR FILING DATE: 1998-06-16
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[illegible]

;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
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;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2.1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSGRDTILGCIILALSLAMMFTFRFTTTLVHIFISLVITLGLFVCGVLMMLYYDTN 60
DB 1 MSGRDTILGCIILALSLAMMFTFRFTTTLVHIFISLVITLGLFVCGVLMMLYYDTN 60
QY 61 DLSIEDTERENMKCVLGFALVSTGTTAVLLVLFVLRKRILKLVLEFQITNKAISSAF 120
DB 61 DLSIEDTERENMKCVLGFALVSTGTTAVLLVLFVLRKRILKLVLEFQITNKAISSAF 120
QY 121 LLFQPLWTFALLIPFWLWVAVLISLGTAGAAQWMEGQVEYKPLSGIRYMSYHLGLI 180
DB 121 LLFQPLWTFALLIPFWLWVAVLISLGTAGAAQWMEGQVEYKPLSGIRYMSYHLGLI 180
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DB 181 WTSEFIILACQOMTLAGAVVTCYFNRSKNDPPDHPLISLSILFFHQSTVVKGSFLISV 240
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DB 241 RIPRIIWMYONALKEQGHLSRYLFRCCYCCFMCJDKYLLHNNAYTTTAINGTDFC 300
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QY 361 LLVAFPAVLVHSHFSVPEYVLDALFLCFPAVDLEETNDSSSEKPYPMODEFLSPYKRSVKL 420
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QY 421 NNARAQODKSHLSRNEEGTELQAVR 445
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RESULT 11
; Sequence 177, Application US/09990456
; Patent No. US20020137890A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Boctstein, David
; APPLICANT: Deenoysere, Luc
; APPLICANT: Batcon, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Maty E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

;; APPLICANT: Kljavin, Ivar J.
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;; APPLICANT: Tumas, Daniel
;; APPLICANT: Maranabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C22
;; CURRENT FILING DATE: 2001-11-14
;; PRIOR APPLICATION NUMBER: 60/049787
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;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2, 1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 DLSIEDTERENKCVGFPAIVSGTAVLVLFVRKRIKLVLEFQITNKAISSAPF 120
DB 61 DLSIEDTERENKCVGFPAIVSGTAVLVLFVRKRIKLVLEFQITNKAISSAPF 120
QY 121 LLEPPLMTFAILIFFWLVWAVLLSLGTAGAAQVMEGGQVEYKPLSGIRYKMSYHLIGLI 180
DB 121 LLEPPLMTFAILIFFWLVWAVLLSLGTAGAAQVMEGGQVEYKPLSGIRYKMSYHLIGLI 180
QY 181 WTSEFIIACQOMTITAGAVVTCYFNRSKNDDPHDILSSILFFYHOGTVVKSFLISV 240
DB 181 WTSEFIIACQOMTITAGAVVTCYFNRSKNDDPHDILSSILFFYHOGTVVKSFLISV 240
QY 241 RIPIIYIMYMONALKEOHGALSYLFRCCYCCWCMDKTLHLNNAVTTTAINGDFC 300
DB 241 RIPIIYIMYMONALKEOHGALSYLFRCCYCCWCMDKTLHLNNAVTTTAINGDFC 300
QY 301 TSAADAFKILSKNSHFTSINCFDFTIIPGKYLVCFTVFGGLMAFNRYRAFOVMAVPL 360
DB 301 TSAADAFKILSKNSHFTSINCFDFTIIPGKYLVCFTVFGGLMAFNRYRAFOVMAVPL 360
QY 361 LIVAFAVLYVAHSEFLSVFETVLDLFLCPAVDLETNDGSSSEKPYFMDQEFISVYKRSNKL 420
DB 361 LIVAFAVLYVAHSEFLSVFETVLDLFLCPAVDLETNDGSSSEKPYFMDQEFISVYKRSNKL 420
QY 421 NNAAQODKXISIRNEBETELQATYR 445
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RESULT 12
Sequence 177, Application US/09989721
Patent No. US20020142961A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Aubin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C55
CURRENT FILING DATE: 2001-11-19
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
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: PRIOR APPLICATION NUMBER: 60/091978
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: PRIOR APPLICATION NUMBER: 60/091982
: PRIOR FILING DATE: 1998-07-07
: PRIOR APPLICATION NUMBER: 60/092182
: PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,je-211;
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Db 61 DLSIELDTERENMKCVLGPALVSTGTAIVLVLFVLRKRRLKLTVELFOITNKALSSAPF 120
Oy 121 LLFQPLWTFALLIFFWVWLVAVLSLGTNGAAQVMEGGOVEYKPLSGIRYMSYHLIGLI 180
Db 121 LLFQPLWTFALLIFFWVWLVAVLSLGTNGAAQVMEGGOVEYKPLSGIRYMSYHLIGLI 180
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Db 181 WTSEFIACQOMTAGAVVMCYFNRSKNDDPDHFLSSLSLTFPYHOGTVKGSFLISV 240
Oy 241 RIRPIIWMYQNALKEQOHGALSRYLPRCCYCCFCWCDKYLHLNQNAYTTTAINGTDFC 300
Db 241 RIRPIIWMYQNALKEQOHGALSRYLPRCCYCCFCWCDKYLHLNQNAYTTTAINGTDFC 300
Oy 301 TSAADAKXILSKNSHTSINCGRDPIIFLGKLVVCFYFGGIMAFNNRAAFQVAVPL 360
Db 301 TSAADAKXILSKNSHTSINCGRDPIIFLGKLVVCFYFGGIMAFNNRAAFQVAVPL 360
Oy 361 LVVAFAYLVVASHSLSPFEVYLDLFLCPAVDLETNDSSEKPYFMOEFLSPYKRSNKL 420
Db 361 LVVAFAYLVVASHSLSPFEVYLDLFLCPAVDLETNDSSEKPYFMOEFLSPYKRSNKL 420
Oy 421 NNARAQODKHSLSRNEEGTELOAIVR 445
Db 421 NNARAQODKHSLSRNEEGTELOAIVR 445

RESULT 13
: Sequence 177, Application US/09992598
: Patent No. US20020160384A1
: GENERAL INFORMATION:
: APPLICANT: Ashkenazi, Avi J.
: APPLICANT: Baker, Kevin P.
: APPLICANT: Botstein, David
: APPLICANT: Desnoyers, Luc
: APPLICANT: Eaton, Dan L.
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gerber, Hanspeter
: APPLICANT: Gottfries, Mary E.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, J. Christopher
: APPLICANT: Gurney, Austin L.
: APPLICANT: Kijavini, Ivar J.
: APPLICANT: Napier, Mary A.
: APPLICANT: Pan, James
: APPLICANT: Paoni, Nicholas F.
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K.
: APPLICANT: Williams, P. Mickey
: APPLICANT: Wood, William I.
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: FILE REFERENCE: P2730PIC20
: CURRENT APPLICATION NUMBER: US/09/992,598
: PRIOR FILING DATE: 2001-11-14
: PRIOR APPLICATION NUMBER: 60/049787
: PRIOR FILING DATE: 1997-06-16
: PRIOR APPLICATION NUMBER: 60/062250
: PRIOR FILING DATE: 1997-10-17
: PRIOR APPLICATION NUMBER: 60/065186
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: PRIOR FILING DATE: 1998-03-20
: PRIOR APPLICATION NUMBER: 60/083322
: PRIOR FILING DATE: 1998-04-28
: PRIOR APPLICATION NUMBER: 60/084600
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[illegible]

;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSGRDTIGLCIALALSLAMFFRTTTLVHIFISLVILGLFVCGVLMWLYDYTN 60
DB 1 MSGRDTIGLCIALALSLAMFFRTTTLVHIFISLVILGLFVCGVLMWLYDYTN 60
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DB 61 DLSIEDTERENMKCVLGFATVSTGTAVLVLVLFVLRKRIKLTVELFOITNKATSSAPF 120
QY 121 LLFQPLMTFAILIFPFWLVAVNLISLGTAGAQQVMEGGQVEYKPLSGIRYMSYHLIGLI 180
DB 121 LLFQPLMTFAILIFPFWLVAVNLISLGTAGAQQVMEGGQVEYKPLSGIRYMSYHLIGLI 180
QY 181 WTSEIILACQOMTLAGAVVTCYFNRSKNDPPDHPILSSILFFYHOGTVVKGSPILISV 240
DB 181 WTSEIILACQOMTLAGAVVTCYFNRSKNDPPDHPILSSILFFYHOGTVVKGSPILISV 240
QY 241 RIPRIIVVMQNALKEQOOGALSRVLFRCYCCFMCCLDKYLLHNONAYTTAINGTFC 300
DB 241 RIPRIIVVMQNALKEQOOGALSRVLFRCYCCFMCCLDKYLLHNONAYTTAINGTFC 300
QY 301 TSADAFKILSNSSHSFTSINCFGDFIIFLGKVLVVCFTVFGSLMAFYNNRAFOVAVPL 360
DB 301 TSADAFKILSNSSHSFTSINCFGDFIIFLGKVLVVCFTVFGSLMAFYNNRAFOVAVPL 360
QY 361 LLVAFPAVLVAHSFVSVEYVLDALFLCPAYDLFNDDSSSEKPYMDDEPLSPYKRSKL 420
DB 361 LLVAFPAVLVAHSFVSVEYVLDALFLCPAYDLFNDDSSSEKPYMDDEPLSPYKRSKL 420
QY 421 NNARAQODKHSLRNEGTELOAIR 445
DB 421 NNARAQODKHSLRNEGTELOAIR 445

RESULT 14

;; Sequence 177, Application US/0989293A
;; Patent No. US20020177164A1

GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Baton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Auecin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tunas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; TITLE OF INVENTION: Acids Encoding the Same

;; FILE REFERENCE: P2730P1C66
;; CURRENT APPLICATION NUMBER: US/09/989,293A
;; CURRENT FILING DATE: 2001-11-20
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2.1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 181 WTSEFIILACQOMTAGAVTTCYFNRSKNDPPDHPILSLSLFFPYHQTIVKGSFLISVV 240
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QY 241 RIRPIIVMYQNALKEQOHGALSRYLPRCCYCCFCWCLDKYLLHNONAYTTTAINGTDFC 300
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QY 301 TSAADAFKILSKNSHTTSINCFDFTIIFLGKVLVCFYFPGGLMAFNYNRAFOVMAVPL 360
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QY 361 LTVAFPAIVLAHSHLSFETVLDLFLCPAVDLETNDSSEKPYFMDQEFISFYKRSNKL 420
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QY 421 NNARAQODKSLRNEEGTELOAIVR 445
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RESULT 15
; Sequence 177, Application US/09989735
; Publication No. US20020193299A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bostein, David
; APPLICANT: Deenoeyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, V. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Klavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Matenabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC61
CURRENT FILING DATE: 2001-11-19
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PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 2,1e-211;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 361 LLVAFPAVLVAHSFLSVFETVLDALFLCFANDLETNDGSSSEKPYFMODEFISFYKRSNKL 420
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QY 421 NNARAQODKSLRNEBGTLOAIVR 445
DB 421 NNARAQODKSLRNEBGTLOAIVR 445

Search completed: June 15, 2006, 07:18:42
Job time : 209 secs

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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 15, 2006, 07:15:24 ; Search time 59 Seconds
(without alignments)
170.131 Million cell updates/sec

Perfect score: 2315
Sequence: 1 MSGSDTILGLICALALSLA.....QQDKHSURNEGTQLAIVR 445

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 96747 seqs, 2255637 residues

Total number of hits satisfying chosen parameters: 96747

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database : Published Applications AA New:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	2315	100.0	445	7 US-11-101-316-32	Sequence 32, Appl
3	495.5	21.4	663	6 US-10-504-973-3	Sequence 3, Appl
4	428	18.5	321	7 US-11-101-316-10	Sequence 10, Appl
5	382	16.5	711	6 US-10-449-902-49846	Sequence 49846, A
6	377	16.3	711	6 US-10-449-902-36352	Sequence 36352, A
7	335.5	14.5	363	6 US-10-953-349-11171	Sequence 11171, A
8	326.5	14.1	353	6 US-10-953-349-11172	Sequence 11172, A
9	300.5	13.0	325	6 US-10-953-349-11173	Sequence 11173, A
10	222	9.6	366	6 US-10-953-349-17831	Sequence 17831, A
11	192.5	8.3	305	6 US-10-953-349-17832	Sequence 17832, A
12	187.5	8.1	521	6 US-10-953-349-17833	Sequence 17833, A
13	186	8.0	523	6 US-10-449-902-50623	Sequence 50623, A
14	119	5.1	875	6 US-10-471-571A-4802	Sequence 4802, Ap
15	111	4.8	482	6 US-10-953-349-7915	Sequence 7915, Ap
16	111	4.8	482	6 US-10-953-349-7914	Sequence 7914, Ap
17	111	4.8	482	6 US-10-953-349-7913	Sequence 7913, Ap
18	104.5	4.5	526	6 US-10-449-902-34698	Sequence 34698, A
19	104.5	4.5	526	6 US-10-449-902-52054	Sequence 52054, A
20	97	4.2	97	6 US-10-511-937-2935	Sequence 2935, Ap
21	96	4.1	444	6 US-10-449-902-28630	Sequence 28630, A
22	95.5	4.1	446	6 US-10-953-349-29132	Sequence 29132, A
23	95	4.1	426	6 US-10-953-349-2536	Sequence 2536, Ap
24	95	4.1	649	6 US-10-953-349-2595	Sequence 2595, Ap
25	95	4.1	667	6 US-10-953-349-2594	Sequence 2594, Ap
26	94.5	4.1	354	6 US-10-449-902-30637	Sequence 30637, A
27	94	4.1	343	6 US-10-449-902-33525	Sequence 33525, A

28	93.5	4.0	381	6 US-10-449-902-39631	Sequence 39631, A
29	92.5	4.0	354	6 US-10-449-902-43516	Sequence 43516, A
30	91	3.9	355	6 US-10-953-349-31241	Sequence 31241, A
31	90	3.9	352	6 US-10-953-349-29133	Sequence 29133, A
32	89.5	3.9	366	6 US-10-953-349-30070	Sequence 30070, A
33	89.5	3.9	376	6 US-10-953-349-30069	Sequence 30069, A
34	89.5	3.9	418	6 US-10-953-349-10300	Sequence 10300, A
35	89.5	3.9	425	6 US-10-953-349-10068	Sequence 10068, A
36	89.5	3.9	440	6 US-10-953-349-10259	Sequence 10259, A
37	89.5	3.9	475	6 US-10-953-349-10288	Sequence 10288, A
38	89	3.8	518	6 US-10-471-571A-3982	Sequence 3982, Ap
39	88	3.8	483	6 US-10-471-571A-1078	Sequence 1078, Ap
40	88	3.8	351	6 US-10-449-902-46874	Sequence 46874, A
41	87.5	3.8	351	6 US-10-953-349-24340	Sequence 24340, A
42	87	3.8	281	6 US-10-449-902-33326	Sequence 33326, A
43	87	3.8	281	6 US-10-449-902-44779	Sequence 44779, A
44	87	3.8	328	6 US-10-471-571A-4116	Sequence 4116, Ap
45	87	3.8	787	6 US-10-449-902-45166	Sequence 45166, A
46	86.5	3.7	344	6 US-10-994-679-9	Sequence 9, Appl
47	86.5	3.7	599	6 US-10-471-571A-2538	Sequence 2538, Ap
48	86	3.7	400	6 US-10-471-571A-3540	Sequence 3540, Ap
49	85.5	3.7	619	6 US-10-449-902-38751	Sequence 38751, A
50	85	3.7	355	6 US-10-449-902-50010	Sequence 50010, A
51	85	3.7	406	6 US-10-471-571A-3932	Sequence 3932, Ap
52	85	3.7	770	6 US-10-449-902-43017	Sequence 43017, A
53	84.5	3.7	403	6 US-10-471-571A-5246	Sequence 5246, Ap
54	84.5	3.7	458	7 US-11-217-529-3	Sequence 3, Appl
55	84.5	3.7	522	6 US-10-449-902-48288	Sequence 48288, A
56	83.5	3.6	372	6 US-10-953-349-11418	Sequence 11418, A
57	83.5	3.6	423	6 US-10-953-349-12475	Sequence 12475, A
58	83.5	3.6	459	6 US-10-953-349-11417	Sequence 11417, A
59	83.5	3.6	465	6 US-10-471-571A-1832	Sequence 1832, Ap
60	83.5	3.6	481	6 US-10-953-349-22474	Sequence 22474, A
61	83.5	3.6	494	6 US-10-471-571A-1740	Sequence 1740, Ap
62	83.5	3.6	499	6 US-10-953-349-11416	Sequence 11416, A
63	83	3.6	319	6 US-10-953-349-29134	Sequence 29134, A
64	83	3.6	535	6 US-10-953-349-27707	Sequence 27707, A
65	83	3.6	538	6 US-10-953-349-27706	Sequence 27706, A
66	83	3.6	574	6 US-10-953-349-27705	Sequence 27705, A
67	83	3.6	551	6 US-10-449-902-56191	Sequence 56191, A
68	83	3.6	690	6 US-10-449-902-51286	Sequence 51286, A
69	83	3.6	951	6 US-10-449-902-53336	Sequence 53336, A
70	83	3.6	1205	6 US-10-953-349-4547	Sequence 4547, Ap
71	83	3.6	1243	6 US-10-953-349-4546	Sequence 4546, Ap
72	83	3.6	1286	6 US-10-953-349-4545	Sequence 4545, Ap
73	83	3.6	1503	7 US-11-312-958-48	Sequence 48, Appl
74	82.5	3.6	284	6 US-10-449-902-48680	Sequence 48680, A
75	82.5	3.6	497	6 US-10-449-902-35281	Sequence 35281, A
76	82.5	3.6	504	7 US-11-293-697-761	Sequence 761, Ap
77	82	3.5	235	6 US-10-953-349-12434	Sequence 12434, A
78	82	3.5	246	6 US-10-471-571A-1356	Sequence 1356, Ap
79	82	3.5	313	6 US-10-953-349-15430	Sequence 15430, A
80	82	3.5	327	6 US-10-953-349-15449	Sequence 15449, A
81	82	3.5	451	6 US-10-471-571A-1946	Sequence 1946, Ap
82	82	3.5	527	6 US-10-449-902-53879	Sequence 53879, A
83	81.5	3.5	318	6 US-10-471-571A-3052	Sequence 3052, Ap
84	81.5	3.5	374	6 US-10-449-902-52316	Sequence 52316, A
85	81.5	3.5	374	6 US-10-449-902-52419	Sequence 52419, A
86	81.5	3.5	374	6 US-10-449-902-52458	Sequence 52458, A
87	81.5	3.5	452	6 US-10-471-571A-2710	Sequence 2710, Ap
88	81	3.5	237	6 US-10-953-349-29176	Sequence 29176, A
89	81	3.5	246	6 US-10-953-349-29175	Sequence 29175, A
90	81	3.5	260	6 US-10-953-349-28355	Sequence 28355, A
91	81	3.5	295	6 US-10-953-349-28354	Sequence 28354, A
92	81	3.5	309	6 US-10-449-902-32254	Sequence 32254, A
93	81	3.5	314	6 US-10-953-349-29174	Sequence 29174, A
94	81	3.5	346	6 US-10-953-349-28353	Sequence 28353, A
95	81	3.5	516	6 US-10-449-902-38429	Sequence 38429, A
96	81	3.5	654	6 US-10-471-571A-1352	Sequence 1352, Ap
97	81	3.5	1092	6 US-10-449-902-53812	Sequence 53812, A
98	80.5	3.5	337	6 US-10-953-349-38122	Sequence 38122, A
99	80.5	3.5	378	6 US-10-953-349-24007	Sequence 24007, A
100	80.5	3.5	403	7 US-11-242-505A-18	Sequence 18, Appl

101	80.5	3.5	417	6	US-10-953-349-24006	Sequence 24006, A	174	76.5	3.3	546	6	US-10-953-349-9863	Sequence 9863, Ap
102	80.5	3.5	449	6	US-10-953-349-24005	Sequence 24005, A	175	76.5	3.3	807	6	US-10-449-902-8861.1	Sequence 38611, A
103	80	3.5	222	6	US-10-953-349-34991	Sequence 34991, A	176	76	3.3	265	6	US-10-953-349-18581	Sequence 18581, A
104	80	3.5	227	6	US-10-471-571A-3402	Sequence 3402, Ap	177	76	3.3	273	6	US-10-471-571A-4558	Sequence 4558, Ap
105	80	3.5	344	6	US-10-505-928-652	Sequence 652, App	178	76	3.3	339	6	US-10-471-571A-5042	Sequence 5042, Ap
106	80	3.5	498	6	US-10-471-571A-192	Sequence 192, App	179	76	3.3	403	6	US-10-953-349-5592	Sequence 5592, Ap
107	80	3.5	538	6	US-10-449-902-56618	Sequence 56618, A	180	76	3.3	635	6	US-10-449-902-54075	Sequence 54075, A
108	80	3.5	642	6	US-10-449-902-47654	Sequence 47654, A	181	76	3.3	757	6	US-10-449-902-55255	Sequence 55255, A
109	80	3.5	642	6	US-10-449-902-55501	Sequence 55501, A	182	76	3.3	858	7	US-11-293-697-2979	Sequence 2979, Ap
110	79.5	3.4	322	6	US-10-953-349-31242	Sequence 31242, A	183	75.5	3.3	373	7	US-11-312-958-10	Sequence 10, App1
111	79.5	3.4	603	6	US-10-471-571A-3718	Sequence 3718, Ap	184	75.5	3.3	519	6	US-10-449-902-42752	Sequence 4752, A
112	79.5	3.4	801	6	US-10-471-571A-258	Sequence 258, App	185	75.5	3.3	578	6	US-10-471-571A-1920	Sequence 1920, Ap
113	79.5	3.4	840	6	US-10-471-571A-4280	Sequence 4280, App	186	75.5	3.3	1095	6	US-10-449-902-11563	Sequence 41563, A
114	79	3.4	319	6	US-10-953-349-24341	Sequence 24341, A	187	75	3.2	157	6	US-10-471-571A-3118	Sequence 3118, Ap
115	79	3.4	347	6	US-10-449-902-47323	Sequence 47323, A	188	75	3.2	253	6	US-10-953-349-18582	Sequence 18582, A
116	79	3.4	396	6	US-10-449-902-55006	Sequence 55006, A	189	75	3.2	320	6	US-10-471-571A-3632	Sequence 3632, Ap
117	79	3.4	412	6	US-10-471-571A-2744	Sequence 2744, Ap	190	75	3.2	402	6	US-10-471-571A-5294	Sequence 5294, Ap
118	79	3.4	416	6	US-10-449-902-47396	Sequence 47396, A	191	75	3.2	543	6	US-10-471-571A-3700	Sequence 3700, Ap
119	79	3.4	425	6	US-10-449-902-29720	Sequence 29720, A	192	75	3.2	564	6	US-10-953-349-2050	Sequence 2050, Ap
120	79	3.4	425	6	US-10-449-902-49881	Sequence 49881, A	193	75	3.2	572	6	US-10-953-349-2049	Sequence 2049, Ap
121	79	3.4	623	6	US-10-449-902-51819	Sequence 51819, A	194	75	3.2	596	6	US-10-449-902-51753	Sequence 51753, A
122	79	3.4	715	6	US-10-953-349-11685	Sequence 11685, A	195	75	3.2	619	6	US-10-449-902-53242	Sequence 53242, A
123	79	3.4	728	6	US-10-953-349-11684	Sequence 11684, A	196	75	3.2	703	6	US-10-953-349-5632	Sequence 5632, Ap
124	78.5	3.4	225	6	US-10-953-349-2521	Sequence 2521, Ap	197	74.5	3.2	168	6	US-10-449-902-30354	Sequence 30354, A
125	78.5	3.4	236	6	US-10-953-349-2520	Sequence 2520, Ap	198	74.5	3.2	260	6	US-10-449-902-36871	Sequence 46871, A
126	78.5	3.4	269	7	US-11-305-477-3	Sequence 3, App11	199	74.5	3.2	271	6	US-10-449-902-40152	Sequence 40152, A
127	78.5	3.4	287	6	US-10-953-349-4606	Sequence 4606, Ap	200	74.5	3.2	344	6	US-10-953-349-5324	Sequence 5324, Ap
128	78.5	3.4	306	6	US-10-953-349-4605	Sequence 4605, Ap	201	74.5	3.2	352	6	US-10-994-679-2	Sequence 2, App11
129	78.5	3.4	334	6	US-10-953-349-4604	Sequence 4604, Ap	202	74.5	3.2	384	7	US-10-958-746-4	Sequence 4, App11
130	78.5	3.4	352	6	US-10-505-928-745	Sequence 745, App	203	74.5	3.2	419	6	US-10-953-349-53323	Sequence 53323, Ap
131	78.5	3.4	352	6	US-10-511-937-2412	Sequence 2412, Ap	204	74.5	3.2	442	6	US-10-953-349-33857	Sequence 33857, A
132	78.5	3.4	352	6	US-10-511-937-2486	Sequence 2486, Ap	205	74.5	3.2	513	6	US-10-953-349-5322	Sequence 5322, Ap
133	78.5	3.4	352	6	US-10-511-937-2935	Sequence 2935, Ap	206	74.5	3.2	532	6	US-10-471-571A-4432	Sequence 4432, Ap
134	78.5	3.4	352	6	US-10-511-937-3010	Sequence 3010, Ap	207	74.5	3.2	674	6	US-10-471-571A-3574	Sequence 3574, Ap
135	78.5	3.4	352	6	US-10-994-679-22	Sequence 22, App1	208	74.5	3.2	1554	6	US-10-542-560-2	Sequence 2, App11
136	78.5	3.4	403	6	US-10-471-571A-9334	Sequence 3934, Ap	209	74.5	3.2	1566	6	US-10-542-560-6	Sequence 6, App11
137	78.5	3.4	409	6	US-10-471-571A-3194	Sequence 3194, Ap	210	74.5	3.2	1591	6	US-10-542-560-4	Sequence 4, App11
138	78	3.4	211	6	US-10-471-571A-3252	Sequence 3252, Ap	211	74	3.2	290	6	US-10-953-349-4433	Sequence 24433, A
139	78	3.4	294	6	US-10-449-902-50108	Sequence 50108, A	212	74	3.2	342	6	US-10-449-902-54458	Sequence 54458, A
140	78	3.4	435	6	US-10-471-571A-2012	Sequence 2012, Ap	213	74	3.2	378	6	US-10-511-937-2404	Sequence 2404, Ap
141	78	3.4	455	6	US-10-449-902-37311	Sequence 37311, A	214	74	3.2	342	6	US-10-471-571A-2104	Sequence 2104, Ap
142	78	3.4	466	6	US-10-953-349-22705	Sequence 22705, A	215	74	3.2	400	6	US-10-471-571A-2566	Sequence 2566, Ap
143	78	3.4	484	6	US-10-953-349-22704	Sequence 22704, A	216	74	3.2	422	6	US-10-471-571A-1310	Sequence 1310, Ap
144	78	3.4	534	6	US-10-953-349-22703	Sequence 22703, A	217	74	3.2	473	6	US-10-953-349-5633	Sequence 5633, Ap
145	78	3.4	837	6	US-10-449-902-45332	Sequence 45332, A	218	74	3.2	529	6	US-10-953-349-697-7713	Sequence 2713, Ap
146	77.5	3.3	178	6	US-10-953-349-19970	Sequence 19970, A	219	74	3.2	758	7	US-11-293-697-7713	Sequence 43812, A
147	77.5	3.3	204	6	US-10-953-349-2522	Sequence 2522, Ap	220	74	3.2	787	6	US-10-449-902-43812	Sequence 43812, A
148	77.5	3.3	223	6	US-10-449-902-32208	Sequence 32208, A	221	74	3.2	1092	7	US-10-449-902-33776	Sequence 53776, A
149	77.5	3.3	244	6	US-10-449-902-52056	Sequence 52056, A	222	73.5	3.2	1229	7	US-11-204-427-2	Sequence 2, App11
150	77.5	3.3	309	6	US-10-953-349-19969	Sequence 19969, A	223	73.5	3.2	419	7	US-11-233-089-94	Sequence 54, App1
151	77.5	3.3	417	6	US-10-449-902-44944	Sequence 44944, A	224	73.5	3.2	419	7	US-11-321-991-2	Sequence 2, App11
152	77.5	3.3	419	6	US-10-953-349-8374	Sequence 8374, Ap	225	73.5	3.2	428	6	US-10-471-571A-244	Sequence 244, App
153	77.5	3.3	424	6	US-10-953-349-8373	Sequence 8373, Ap	226	73.5	3.2	432	6	US-10-471-571A-1304	Sequence 1304, App
154	77.5	3.3	460	6	US-10-953-349-8372	Sequence 8372, Ap	227	73.5	3.2	551	7	US-11-236-218-29	Sequence 29, App1
155	77	3.3	223	7	US-11-257-062-22	Sequence 22, App1	228	73.5	3.2	632	6	US-10-953-349-12946	Sequence 12946, A
156	77	3.3	294	6	US-10-449-902-33297	Sequence 33297, A	229	73.5	3.2	635	6	US-10-953-349-12945	Sequence 12945, A
157	77	3.3	294	6	US-10-449-902-54214	Sequence 54214, A	230	73.5	3.2	644	6	US-10-953-349-12944	Sequence 12944, A
158	77	3.3	398	6	US-10-953-349-19063	Sequence 19063, A	231	73.5	3.2	656	6	US-10-449-902-55299	Sequence 45299, A
159	77	3.3	463	6	US-10-953-349-19062	Sequence 19062, A	232	73.5	3.2	692	6	US-10-471-571A-5118	Sequence 5118, A
160	77	3.3	475	6	US-10-449-902-47845	Sequence 47845, A	233	73.5	3.2	699	6	US-10-449-902-51128	Sequence 51128, A
161	77	3.3	488	6	US-10-953-349-19061	Sequence 19061, A	234	73.5	3.2	791	6	US-10-449-902-46882	Sequence 46882, A
162	77	3.3	703	7	US-11-293-697-4545	Sequence 4545, Ap	235	73.5	3.2	869	6	US-10-449-902-46963	Sequence 46963, Ap
163	76.5	3.3	283	3	US-10-471-571A-2858	Sequence 2858, Ap	236	73	3.2	306	6	US-10-471-571A-526	Sequence 526, App
164	76.5	3.3	362	6	US-10-953-349-3417	Sequence 3417, Ap	237	73	3.2	394	7	US-11-264-784-151	Sequence 110, App
165	76.5	3.3	371	6	US-10-953-349-3416	Sequence 3416, Ap	238	73	3.2	394	7	US-11-264-737-151	Sequence 110, App
166	76.5	3.3	380	6	US-10-953-349-3415	Sequence 3415, Ap	239	73	3.2	394	7	US-11-265-761-123	Sequence 123, App
167	76.5	3.3	428	6	US-10-449-902-35620	Sequence 35620, A	240	73	3.2	422	6	US-11-293-697-3931	Sequence 3931, Ap
168	76.5	3.3	471	6	US-10-449-902-38281	Sequence 38281, A	241	73	3.2	446	6	US-10-449-902-53111	Sequence 43141, A
169	76.5	3.3	478	6	US-10-953-349-9865	Sequence 9865, Ap	242	73	3.2	487	6	US-10-471-571A-2742	Sequence 2742, Ap
170	76.5	3.3	494	6	US-10-449-902-54489	Sequence 54489, A	243	73	3.2	662	6	US-10-471-571A-5102	Sequence 5102, Ap
171	76.5	3.3	501	6	US-10-471-571A-3072	Sequence 3072, Ap	244	73	3.2	679	6	US-10-449-902-48684	Sequence 48684, A
172	76.5	3.3	509	6	US-10-471-571A-3236	Sequence 3236, Ap	245	73	3.2	1095	6	US-10-449-902-43760	Sequence 43760, A
173	76.5	3.3	539	6	US-10-953-349-9864	Sequence 9864, Ap	246	72.5	3.1	125	7	US-11-293-697-3555	Sequence 3555, Ap

395	68.5	3.0	225	6	US-10-471-571A-5148	Sequence 5148, Ap	468	67	2.9	231	6	US-10-449-902-31955	Sequence 31955, A
396	68.5	3.0	235	6	US-10-471-571A-5436	Sequence 5436, Ap	469	67	2.9	231	6	US-10-449-902-3216	Sequence 3216, A
397	68.5	3.0	265	6	US-10-449-902-51844	Sequence 51844, A	470	67	2.9	231	6	US-10-449-902-55819	Sequence 55819, A
398	68.5	3.0	272	6	US-10-449-902-30526	Sequence 30526, A	471	67	2.9	235	7	US-11-293-697-4524	Sequence 4524, Ap
399	68.5	3.0	272	6	US-10-449-902-40492	Sequence 40492, A	472	67	2.9	251	6	US-10-471-571A-4658	Sequence 4658, Ap
400	68.5	3.0	272	6	US-10-449-902-53003	Sequence 53003, A	473	67	2.9	273	6	US-10-449-902-34960	Sequence 34960, A
401	68.5	3.0	346	6	US-10-449-902-53146	Sequence 53146, A	474	67	2.9	284	6	US-10-953-349-3476	Sequence 3476, Ap
402	68.5	3.0	356	6	US-10-449-902-28789	Sequence 28789, A	475	67	2.9	285	6	US-10-953-349-3475	Sequence 3475, Ap
403	68.5	3.0	363	6	US-10-953-349-2475	Sequence 2475, Ap	476	67	2.9	291	6	US-10-620-289-6	Sequence 6, Appl1
404	68.5	3.0	367	6	US-10-449-902-31960	Sequence 31960, A	477	67	2.9	291	6	US-10-953-349-3474	Sequence 3474, Ap
405	68.5	3.0	372	6	US-10-953-349-2474	Sequence 2474, Ap	478	67	2.9	297	6	US-10-620-289-2	Sequence 2, Appl1
406	68.5	3.0	416	6	US-10-953-349-5363	Sequence 5363, Ap	479	67	2.9	297	6	US-10-504-973-25	Sequence 25, Appl1
407	68.5	3.0	418	6	US-10-449-902-32265	Sequence 32265, A	480	67	2.9	361	6	US-10-449-902-50239	Sequence 50239, A
408	68.5	3.0	418	6	US-10-449-902-40471	Sequence 40471, A	481	67	2.9	410	6	US-10-449-902-37328	Sequence 37328, A
409	68.5	3.0	418	6	US-10-449-902-47956	Sequence 47956, A	482	67	2.9	410	6	US-10-449-902-50933	Sequence 50933, A
410	68.5	3.0	418	6	US-10-449-902-51555	Sequence 51555, A	483	67	2.9	410	6	US-10-449-902-52069	Sequence 52069, A
411	68.5	3.0	419	6	US-10-471-571A-4350	Sequence 4350, Ap	484	67	2.9	429	6	US-10-953-349-35589	Sequence 35589, A
412	68.5	3.0	421	6	US-10-953-349-2473	Sequence 2473, Ap	485	67	2.9	435	6	US-10-471-571A-194	Sequence 194, Ap
413	68.5	3.0	447	6	US-10-471-571A-5314	Sequence 5314, Ap	486	67	2.9	465	7	US-11-255-699-4	Sequence 4, Appl1
414	68.5	3.0	467	6	US-10-953-349-5362	Sequence 5362, Ap	487	67	2.9	466	7	US-10-471-571A-5276	Sequence 5276, Ap
415	68.5	3.0	592	6	US-10-953-349-5361	Sequence 5361, Ap	488	67	2.9	494	7	US-11-251-465-17	Sequence 17, Appl1
416	68.5	3.0	625	6	US-10-953-349-9756	Sequence 9756, Ap	489	67	2.9	530	6	US-10-449-902-46515	Sequence 46515, A
417	68.5	3.0	710	6	US-10-953-349-9754	Sequence 9754, Ap	490	67	2.9	553	6	US-10-953-349-35588	Sequence 35588, A
418	68.5	3.0	729	6	US-10-953-349-9754	Sequence 9754, Ap	491	67	2.9	601	6	US-10-953-349-35587	Sequence 35587, A
419	68	2.9	172	6	US-10-953-349-12436	Sequence 12436, A	492	67	2.9	657	6	US-10-449-902-44861	Sequence 44861, A
420	68	2.9	185	6	US-10-953-349-12435	Sequence 12435, A	493	67	2.9	705	6	US-10-449-902-42328	Sequence 42328, A
421	68	2.9	262	6	US-10-524-827-8	Sequence 8, Appl1	494	67	2.9	828	6	US-10-449-902-45049	Sequence 45049, A
422	68	2.9	274	6	US-10-620-289-12	Sequence 12, Appl1	495	67	2.9	1531	6	US-10-505-928-853	Sequence 853, App
423	68	2.9	280	6	US-10-449-902-31447	Sequence 31447, A	496	66.5	2.9	157	6	US-10-953-349-22655	Sequence 22655, A
424	68	2.9	280	6	US-10-449-902-43605	Sequence 43605, A	497	66.5	2.9	257	6	US-10-953-349-30656	Sequence 30656, A
425	68	2.9	296	6	US-10-449-902-29904	Sequence 29904, A	498	66.5	2.9	258	6	US-10-541-993-36	Sequence 26, Appl1
426	68	2.9	296	6	US-10-449-902-30595	Sequence 30595, A	499	66.5	2.9	258	6	US-10-524-827-2	Sequence 2, Appl1
427	68	2.9	341	7	US-11-113-081A-8	Sequence 8, Appl1	500	66.5	2.9	287	6	US-10-953-349-42694	Sequence 42694, A
428	68	2.9	342	6	US-10-449-902-36811	Sequence 36811, A	501	66.5	2.9	286	6	US-10-953-349-40655	Sequence 40655, A
429	68	2.9	403	6	US-10-471-571A-2714	Sequence 2714, Ap	502	66.5	2.9	298	6	US-10-953-349-42697	Sequence 42697, A
430	68	2.9	408	6	US-10-449-902-48779	Sequence 48779, A	503	66.5	2.9	303	6	US-10-953-349-24379	Sequence 24379, A
431	68	2.9	444	6	US-10-449-902-47578	Sequence 47578, A	504	66.5	2.9	305	6	US-10-953-349-24378	Sequence 24378, A
432	68	2.9	497	6	US-10-471-571A-5480	Sequence 5480, Ap	505	66.5	2.9	308	6	US-10-953-349-14546	Sequence 14546, A
433	68	2.9	502	6	US-10-449-902-36765	Sequence 36765, A	506	66.5	2.9	368	6	US-10-953-349-424377	Sequence 424377, A
434	68	2.9	619	6	US-10-449-902-31474	Sequence 31474, A	507	66.5	2.9	335	6	US-10-953-349-930654	Sequence 930654, A
435	68	2.9	624	6	US-10-449-902-54780	Sequence 54780, A	508	66.5	2.9	340	6	US-10-449-902-31559	Sequence 31559, A
436	68	2.9	678	6	US-10-449-902-52824	Sequence 52824, A	509	66.5	2.9	347	6	US-10-449-902-33818	Sequence 33818, A
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718	63.5	2.7	294	6	US-10-449-902-33219	Sequence 33219, A	792	63	2.7	391	6	US-10-953-349-1933	Sequence 1933, Ap
719	63.5	2.7	311	6	US-10-449-902-41745	Sequence 41745, A	793	63	2.7	404	6	US-10-471-571A-2864	Sequence 2864, Ap
720	63.5	2.7	331	6	US-10-953-349-9538	Sequence 9538, Ap	794	63	2.7	415	6	US-10-953-349-1932	Sequence 1932, Ap
721	63.5	2.7	332	7	US-11-312-958-28	Sequence 28, Appl	795	63	2.7	415	6	US-10-471-571A-2530	Sequence 2520, Ap
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723	63.5	2.7	354	6	US-10-953-349-3453	Sequence 3453, Ap	797	63	2.7	425	6	US-10-449-902-37347	Sequence 37347, A
724	63.5	2.7	368	6	US-10-449-902-32736	Sequence 32736, A	798	63	2.7	429	6	US-10-953-349-34644	Sequence 34644, A
725	63.5	2.7	372	6	US-10-953-349-3452	Sequence 3452, Ap	799	63	2.7	474	6	US-10-953-349-31944	Sequence 31944, A
726	63.5	2.7	383	6	US-10-953-349-9537	Sequence 9537, Ap	800	63	2.7	489	7	US-11-293-697-1706	Sequence 4706, Ap
728	63.5	2.7	388	7	US-11-204-427-1	Sequence 1, Appl1	801	63	2.7	495	6	US-10-449-902-45106	Sequence 45106, A
729	63.5	2.7	402	6	US-10-953-349-1662	Sequence 1662, Ap	802	63	2.7	499	6	US-10-449-902-67743	Sequence 67743, A
730	63.5	2.7	415	6	US-10-449-902-49809	Sequence 49809, A	803	63	2.7	515	6	US-10-953-349-11963	Sequence 11963, A
731	63.5	2.7	415	6	US-10-449-902-55080	Sequence 55080, A	804	63	2.7	553	6	US-10-953-349-4463	Sequence 34643, A
732	63.5	2.7	439	6	US-10-953-349-9536	Sequence 9536, Ap	805	63	2.7	557	6	US-10-953-349-11942	Sequence 31942, A
733	63.5	2.7	459	6	US-10-953-349-3451	Sequence 3451, Ap	806	63	2.7	568	6	US-10-953-349-80066	Sequence 40066, A
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735	63.5	2.7	485	6	US-10-953-349-8385	Sequence 8385, Ap	808	63	2.7	595	6	US-10-953-349-44642	Sequence 34642, A
736	63.5	2.7	537	6	US-10-511-937-2607	Sequence 2607, Ap	809	63	2.7	630	7	US-11-293-697-3373	Sequence 4373, Ap
737	63.5	2.7	541	6	US-10-953-349-1661	Sequence 1661, Ap	810	63	2.7	634	7	US-11-313-450-34	Sequence 34, Appl
738	63.5	2.7	551	6	US-10-953-349-6827	Sequence 6827, Ap	811	63	2.7	640	6	US-10-953-349-16490	Sequence 16490, A
739	63.5	2.7	559	6	US-10-953-349-6826	Sequence 6826, Ap	812	63	2.7	674	6	US-10-449-902-43042	Sequence 53042, A
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741	63.5	2.7	569	6	US-10-953-349-8384	Sequence 8384, Ap	814	63	2.7	678	7	US-11-289-102-320	Sequence 320, App
742	63.5	2.7	620	6	US-10-953-349-1660	Sequence 1660, Ap	815	63	2.7	680	6	US-10-471-571A-3160	Sequence 3180, Ap
743	63.5	2.7	650	6	US-10-471-571A-3906	Sequence 3906, Ap	816	63	2.7	690	6	US-10-953-349-16469	Sequence 16469, A
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756	63.5	2.7	3020	7	US-11-140-487A-772	Sequence 772, App	829	63	2.7	234	6	US-10-953-349-4345	Sequence 4345, Ap
757	63	2.7	147	6	US-10-953-349-6997	Sequence 6997, App	830	63	2.7	259	7	US-11-293-697-4512	Sequence 4512, Ap
758	63	2.7	157	6	US-10-449-902-43911	Sequence 43911, A	831	63	2.7	268	6	US-10-953-349-4496	Sequence 4496, Ap
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762	63	2.7	204	6	US-10-953-349-6995	Sequence 6995, Ap	835	63	2.7	295	6	US-10-953-349-7953	Sequence 7953, Ap
763	63	2.7	206	6	US-10-953-349-14699	Sequence 14699, A	836	63	2.7	308	6	US-10-449-902-33248	Sequence 33248, A
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844	62.5	2.7	404	6	US-10-471-571A-3448	Sequence 3448, Ap	917	62	2.7	882	7	US-11-284-236-214	Sequence 214, Ap
845	62.5	2.7	432	6	US-10-953-349-3544	Sequence 3544, Ap	918	62	2.7	984	6	US-10-953-349-405	Sequence 405, Ap
846	62.5	2.7	446	6	US-10-471-571A-1724	Sequence 1724, Ap	919	62	2.7	984	6	US-10-953-349-405	Sequence 405, Ap
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850	62.5	2.7	505	6	US-10-953-349-3543	Sequence 3543, Ap	923	61.5	2.7	197	6	US-10-953-349-6945	Sequence 6945, Ap
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862	62	2.7	193	6	US-10-953-349-35508	Sequence 35508, A	935	61.5	2.7	324	6	US-10-953-349-6943	Sequence 6943, Ap
863	62	2.7	217	6	US-10-449-902-30705	Sequence 30705, A	936	61.5	2.7	329	6	US-10-449-902-37112	Sequence 37112, A
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868	62	2.7	257	6	US-10-449-902-55681	Sequence 55681, A	941	61.5	2.7	337	6	US-10-953-349-4439	Sequence 4439, Ap
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874	62	2.7	305	6	US-10-953-349-5016	Sequence 5016, Ap	947	61.5	2.7	354	6	US-10-449-902-48197	Sequence 48197, A
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886	62	2.7	396	7	US-11-264-761-388	Sequence 388, Appl	959	61.5	2.7	435	7	US-11-236-238-5	Sequence 5, Appl
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986	61	2.6	134	6	US-10-953-349-29632	Sequence 29632, A	1060	60.5	2.6	204	6	US-10-953-349-9321	Sequence 8311, App
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991	61	2.6	203	6	US-10-953-349-1257	Sequence 1257, App	1065	60.5	2.6	223	6	US-10-953-349-9320	Sequence 9320, App
992	61	2.6	224	6	US-10-953-349-3497	Sequence 3497, A	1066	60.5	2.6	223	6	US-10-449-902-30204	Sequence 30204, App
993	61	2.6	229	6	US-10-471-571A-3650	Sequence 3650, App	1067	60.5	2.6	223	6	US-10-449-902-48542	Sequence 48542, A
994	61	2.6	230	6	US-10-449-902-30479	Sequence 30479, A	1068	60.5	2.6	253	6	US-10-953-349-9319	Sequence 9319, App
995	61	2.6	239	6	US-10-953-349-193	Sequence 193, App	1069	60.5	2.6	268	6	US-10-449-902-49505	Sequence 49505, A
996	61	2.6	243	6	US-10-471-571A-3612	Sequence 3612, App	1070	60.5	2.6	276	6	US-10-953-349-2776	Sequence 2776, App
997	61	2.6	247	6	US-10-953-349-15253	Sequence 15253, A	1071	60.5	2.6	276	6	US-10-953-349-47714	Sequence 47714, A
998	61	2.6	247	6	US-10-953-349-31480	Sequence 31480, A	1072	60.5	2.6	280	6	US-10-449-902-49969	Sequence 49969, A
999	61	2.6	262	6	US-10-541-993-28	Sequence 28, App1	1073	60.5	2.6	280	6	US-10-953-349-22969	Sequence 22969, A
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1001	61	2.6	265	6	US-10-449-902-51291	Sequence 51291, A	1075	60.5	2.6	292	6	US-10-449-902-51596	Sequence 51596, A
1002	61	2.6	266	6	US-10-524-827-70	Sequence 70, App1	1076	60.5	2.6	292	7	US-11-288-701-44	Sequence 44, App1
1003	61	2.6	267	6	US-10-953-349-34976	Sequence 34976, A	1077	60.5	2.6	296	6	US-10-953-349-22968	Sequence 22968, A
1004	61	2.6	282	6	US-10-953-349-26208	Sequence 26208, A	1078	60.5	2.6	296	6	US-10-449-902-55033	Sequence 55033, A
1005	61	2.6	288	6	US-10-953-349-26207	Sequence 26207, A	1079	60.5	2.6	301	6	US-10-449-902-29391	Sequence 29391, A
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1013	61	2.6	359	6	US-10-511-937-2990	Sequence 2990, App	1087	60.5	2.6	356	6	US-10-953-349-11971	Sequence 11971, A
1014	61	2.6	372	6	US-10-471-571A-1700	Sequence 1700, App	1088	60.5	2.6	362	7	US-11-175-714-134	Sequence 134, App
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1183	60	2.6	508	7	US-11-190-750-142	Sequence 142, Ap
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1218	60	2.6	2009	7	US-11-263-326-127	Sequence 127, Ap
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1225	59.5	2.6	86	6	US-10-525-126-316	Sequence 316, Ap
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1252	59.5	2.6	274	6	US-10-449-902-46001	Sequence 46001, A
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; Publication No. US2006009657A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO A POLYPEPTIDE ENCODED BY A NUCLEIC ACID
; FILE REFERENCE: P330R1C17C1
; CURRENT FILING DATE: 2005-04-06
; PRIOR FILING DATE: 2005-04-06
; PRIOR APPLICATION NUMBER: 10/063526
; PRIOR FILING DATE: 2002-05-03
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
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; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
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; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.; CHAMLA, Narinder K.;
; APPLICANT: YUE, Henry; RICHARDSON, Thomas W.;
; APPLICANT: MARQUIS, Joseph P.; GOREVAD, Ann E.;
; APPLICANT: BECHA, Shanya D.; KABLE, Amy E.;
; APPLICANT: SWARNAKAR, Anita; JIN, Pei;
; APPLICANT: HAWKINS, Phillip R.; CHIEN, David;
; APPLICANT: RAMKUMAR, Jayalaxmi; LEHR-MASON, Patricia M.;
; APPLICANT: TRAN, Uyen K.; HAFALIA, April J.A.;
; APPLICANT: BAUGHN, Mariah R.; LEE, Soo Yeun;
; APPLICANT: KHARE, Reena; BUTLOCH, Sean A.
; TITLE OF INVENTION: RECEPTORS AND MEMBRANE-ASSOCIATED PROTEINS
; FILE REFERENCE: PF-1381 PCT
; CURRENT FILING DATE: 2004-08-18
; PRIOR FILING DATE: 2004-08-18
; PRIOR APPLICATION NUMBER: US 60/358,279
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/364,338
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/375,657
; PRIOR FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US 60/376,669
; PRIOR FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/379,837
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/379,853
; PRIOR FILING DATE: 2002-05-10
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US-10-504-973-3
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; Publication No. US2006009657A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO A POLYPEPTIDE ENCODED BY A NUCLEIC ACID
; FILE REFERENCE: P3230R1C17C1
; CURRENT APPLICATION NUMBER: US/11/101,316
; PRIOR FILING DATE: 2005-04-06
; PRIOR APPLICATION NUMBER: 10/063526
; PRIOR FILING DATE: 2002-05-03
; PRIOR APPLICATION NUMBER: 10/006867
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; PRIOR FILING DATE: 1999-06-02
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; PRIOR FILING DATE: 1998-06-02
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; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-101-316-10

Query Match 18.5%; Score 428; DB 7; Length 321;
Best Local Similarity 34.6%; Pred. No. 6.6e-29;
Matches 91; Conservative 55; Mismatches 93; Indels 24; Gaps 6;

Oy 174 YHLIGLWTSFELLACQOMTIAGAVTTCYFNRSK--NDPPDHPILSSLSILFPHYOGTVK 232
Db 56 YGVIGLFWTLMMVVALGQCVLAGAFASFYMAFHKQDIPTEPLISAFIRTLRYHTGSLAF 115
Oy 233 GSFLIVVRIPIIYWMQNALKEQHGALSRYLPRCCYCCFCWCLDKYLLHNONAYTTT 292
Db 116 GALITLTVQIARVILEYDHKLRGVQN--PVARCIMCCFCCLMCLEKPIKFNRAIYIM 174
Oy 293 AINGDTFCTSAKDAFKILSKNSHFTSINCPGDFIIFLGKVLV-----CFTVFGGLMA 346
Db 175 AIYGNFCVSAKNAFPLMRNIVRVVVDKTDLLIFGKLIVGVGVLSFFPFGSRIIP 234
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Oy 347 -----FYNRAFOVWAVPLLVAFAVLVAHSLSFVEYLDALFICPAVDLETN 396
Db 235 GLGKDFKSPHLNY-----YM-LPIMTSILGAVVIASGFFVGMCVDTLFLCFLEDLERN 288
Oy 397 DGSSEKPYMDQEFSLFVGRSNK 419
Db 289 NGSLDRPYMYSKSLKILGKQNE 311

RESULT 5
US-10-449-902-49846
; Sequence 49846, Application US/10449902
; Publication No. US20060123505A1
; GENERAL INFORMATION:
; APPLICANT: National Institute of Agricultural Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.
; APPLICANT: The Institute of Physical and Chemical Research.
; APPLICANT: Foundation for Advancement of International Science.
; TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; PRIOR FILING DATE: 2003-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: JP 2002-383870
; PRIOR FILING DATE: 2002-12-11
; NUMBER OF SEQ ID NOS: 56791
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 49846
; LENGTH: 711
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-49846

Query Match 16.5%; Score 382; DB 6; Length 711;
Best Local Similarity 26.2%; Pred. No. 1.1e-24;
Matches 119; Conservative 79; Mismatches 191; Indels 66; Gaps 14;

Oy 7 ILGCL--ILALSLAMFTFRFTT---LNVHIFSLVILGLFVCGVLMWLYDYTN 60
Db 254 VLIYCGGLPLFLSVIMLLIRYFVVAWPTIVVFNALVISMTFFYIKAGMNDPLT 313
Oy 61 DLSIED-----TEREMKCYLGAIVSTGTAIVLILFV---LKRRIKLYELRQIT 111
Db 314 VVIGESDPYHITRE-----ISHLHAATVMTVMIAFPTSIAIRRLIATPVLKVA 368
Oy 112 NKAISSAPFLFQPLMFAILIFPWLVMVAVILSLGTAAQAQVNE----- 156
Db 369 AKVIGEVQALIFPVVVPFILAIFYMFWFSATLHLFSSG--QVLRNDCNTDCCSYDLKLG 426
Oy 157 -----GGQVEKPLSGIRYMSYHLIGLWTSFELLACQOMTIAGAVTTCYFNRSK- 207
Db 427 KVNCDNCCGYSHHTPHIGIALI--FHLFGCVATQFFIACSSVIVGSAVYMWAGEI 484
Oy 208 -NDPPDHPILSSLSILFPHYOGTVVKGSFSLSVRIPIIYWMQNALK--EQHGALS 263
Db 485 SHDIPFVTVVSMSKRLRYSIGSVALGSLVASAWEVRFLECRRLKLVDSARSCFG 544
Oy 264 RYLPRCCYCCFCWCLDKYLLHNONAYTTAINGDTFCTSAKDAFKILSKNSHFTSINCF 323
Db 545 KMTSSSQCLGCLDWTLLKSVNRNAYIMAITGFGFKASLATAGLMMNIRIGKYNVI 604
Oy 324 GDFIIFLGKVLVCFVFGGLMAF-----FYNRAFOVWAVPLLVAF---FAVLVAHSF 374
Db 605 GDVILFLGK---LCVSLFCLAFALMDTHTKYSANHKISSPLVPVVVSWALGFIYAKLF 661
Oy 375 LSVETVLDALFICPAVDLETNDSSSE--KPYEND 407
Db 662 FOVWMSIDTILISFCODAEHQNAQYAPPLMAE 696

RESULT 6
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US-10-449-902-36352
; Sequence 36352, Application US/10449902
; Publication No. US20060123505A1
; GENERAL INFORMATION:
; APPLICANT: National Institute of Agrobiological Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.
; APPLICANT: The Institute of Physical and Chemical Research.
; APPLICANT: Foundation for Advancement of International Science.
; TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; PRIOR FILING DATE: 2003-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: JP 2002-383870
; NUMBER OF SEQ ID NOS: 56791
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36352
; LENGTH: 711
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-36352

Query Match 16.3%; Score 377; DB 6; Length 711;
Best Local Similarity 26.2%; Pred. No. 3e-24;
Matches 117; Conservative 77; Mismatches 189; Indels 64; Gaps 13;

QY 7 ILGLC-ILALALSLAMFFTFITTT---LLVHIFISLVILGLLFCGCVLMWLYDTN 60
DB 254 VLIIVGGILPLPLSVIMLLIRYFVAAMPWITVVFNLVISTVTFYIKAGMLGNPLT 313
QY 61 DLSILD-----TERENKCVGFIVSTGIVAVLLIFV---LRKRKLTVELFOIT 111
DB 314 VVIGSDVYVHTGSE-----ISHLAATVWTVWMTVMIITFLSSIAITRILATVAKVA 368
QY 112 NKAISSAPFLFQPLMTFALIFFWLVWVAVLLSLGTAGAQVME----- 156
DB 369 AKVIGEVQALIFPVVPPIFPAIFPMFWSATLHLFSSG--QVLANDCVDCSYDLKLG 426
QY 157 -----GGOVEYKPLSGIRYMSYHLGLIWTSEFLLACQOMTITAGAVTCTYNRSK- 207
DB 427 KVNCCNCCGYSIHYPHIGIAL--FHLFGCYMATQFPACSSVIASSVYWARGEI 484
QY 208 -NDPDPHPLSLSLTFYHOGTVVKGSPFLISVRIPIRIWYMONALK--EQHGALS 263
DB 485 SHDIFPVYVSSLRKLKLYSLGSAIGSLVSAVEMWAFIECLRKRLKLPDSARECG 544
QY 264 RYLFRCYCCFCWCLDKYLHLNQNAYTTTAINGTDFCTSAKDAFKILSNSSHTSINC 323
DB 545 KWTSSSQCCIGCIDWTLKSVRNAYIMAIITGKGFPAKSVLATGLIMNMLRIGKVNI 604
QY 324 GDPILFLGVVAVCTVVGGLMAF-----NYNRAQVAVAVLLVAF---PAYVAASF 374
DB 605 GGVILFLGK--LCVSLFCLALFALMLDTHKYSANHKISSPLVPPVWVSWALGFIAR 661
QY 375 LSVFETVLDALFLCPAVDLETNDGSS 401
DB 662 FQVEMSIDTITLSFCQDSEEHQGNQ 688

RESULT 7
US-10-953-349-11171
; Sequence 11171, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; NUMBER OF SEQ ID NOS: 40252

; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 11171
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-11171

Query Match 14.5%; Score 335.5; DB 6; Length 363;
Best Local Similarity 27.8%; Pred. No. 4.4e-21;
Matches 95; Conservative 63; Mismatches 137; Indels 47; Gaps 11;

QY 99 KRITVTELFQITNKAISSAPFLFQPLMTFALIFFWLVWVAVLLSLGTAGAQVME-- 156
DB 7 RRIIMATSVLKAVAKVIGEVQALIFPAIPFAMALIFPMWISALHLFSSG--QVQVNN 64
QY 157 -----GGOVEYKPLSGIRYMSYHLGLIWTSEFLLACQOMTI 194
DB 65 CNNTNCCAYDLVLKKNCCDRCCGYSIHTPHITTAIF--FHLFGCYMATQFPASSATVI 122
QY 195 AGAVVTCYFNRSKNDP--PDHPLSLSLTFYHOGTVVKGSPFLISVRIPIRIWYMON 252
DB 123 AGSVASYWAGSAPPEIFLPVPAKMLARVNLGSLIVSVESVRFLEAIR 182
QY 253 ALK-----EQHGALSRYLFR--CCYCCFWCLDKYLHLNQNAYTTTAINGTDFCTSAKD 305
DB 183 KTKVSGTIPDHFWRMHYTSRGLKSVETWIKS----VNRNAYIMAIITGKSPCKSAI 238
QY 306 AFKILSNSSHTSINCGDPIIFLGKVLVVCPT-VFQGLM--AFNYNRAQVAVAVLL- 361
DB 239 ATBLISVILRIGKVNIAGVILFLGKLCVSLFALGFLMLDSHRIRASHNKVSPLP 298
QY 362 LVAFFA--YLVASHLSVFETVLDALFLCPAVDLETNDGSS 401
DB 299 VLAQMALGYIVATLFPVAVEMSIDTITLSFCQDSEEHQGNQ 340

RESULT 8
US-10-953-349-11172
; Sequence 11172, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 11172
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-11172

Query Match 14.1%; Score 326.5; DB 6; Length 353;
Best Local Similarity 27.5%; Pred. No. 2.5e-20;
Matches 93; Conservative 62; Mismatches 136; Indels 47; Gaps 11;

QY 103 LTVELFQITNKAISSAPFLFQPLMTFALIFFWLVWVAVLLSLGTAGAQVME----- 156
DB 1 MATSVLKVAARVIGEVQALIFPAIPFAMALIFPMWISALHLFSSG--QVQVNNCNT 58
QY 157 -----GGOVEYKPLSGIRYMSYHLGLIWTSEFLLACQOMTITAGAV 198
DB 59 NCCAYDLVLKKNCCDRCCGYSIHTPHITTAIF--FHLFGCYMATQFPASSATVIAGSV 116
QY 199 VTCYFNRSKNDP--PDHPLSLSLTFYHOGTVVKGSPFLISVRIPIRIWYMONALK- 255
DB 117 ASYWAGSAPPEIFLPVPAKMLARVNLGSLIVSVESVRFLEAIRKTKV 176
QY 256 -----EQHGALSRYLFR--CCYCCFWCLDKYLHLNQNAYTTTAINGTDFCTSAADAKI 309

Db 177 SGTIDPHFMKMAHITSRGCLSVEMTKS----VNRNAYIMAITGKSPCKSSAIA TEL 232
Qy 310 LSKNSSHFTS-INCFGDFIIFLGKVLVVCFT-VFGGLM--AFNRYNRAFOVMWAVPLL-LVAF 365
Db 223 IISNLRIGKYNVIGDVLIFLGKLCVSLFSAIFGLMDSHRYASHNKVSPLLPVAC 292
Qy 366 FA--YLVAHSFLSVFETVLDALFLCPAVDLETNDSSE 401
Db 293 WALGYIVATLFPVAVEMSIDTILISFCQDSEENQNAQ 330

RESULT 9
US-10-953-349-11173

; Sequence 11173, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; TITLE OF INVENTION: ENCODED THERBY
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 11173
; LENGTH: 325
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-11173

Query Match 13.0%; Score 300.5; DB 6; Length 325;
Best Local Similarity 28.1%; Pred. No. 3,5e-18;

Matches 87; Conservative 57; Mismatches 119; Indels 47; Gaps 11;

Qy 131 ILIFFWLWVAVLISLTAGAAQVME-----GGQVEKPLS 166
Db 1 MLATFYMWISAALHLFSSG--QVQNNCANNTCAPDLVKVNCDCGCCGSIHTYTHI 58
Qy 167 GIRYMSYHLIGLWTSFILAQQMTIAGAVVTCYFNRSKND--PDHILSLISLIF 224
Db 59 TIAIF--FHLFGCVATQFIASSATVIAGSVASYMAQGEASPEIPLPVAFASWKLAR 116
Qy 225 YHOGTVVGSPLISVIRIPRIIVMOMALK-----EQHGALSRYLFR--CCYCCFCL 277
Db 117 YNLGSAAGSLISFVESVRFLEAIRKTKVSGTIPHWFMWMAHYTSRGCLKSVEWTI 176
Qy 278 DKYLLHNONAYTTAINGDECTSAKXAFKLSKNSHFTSINCFGDFIIFLGKVLVVC 337
Db 177 KS----VNRNAYIMAITGKSPCKSSAIA TELIISNLRIGKYNVIGDVLIFLGKLCVSL 232
Qy 338 FT-VFGGLM--AFNRYNRAFOVMWAVPLL-LVAFFA--YLVAHSFLSVFETVLDALFLCPAV 391
Db 223 FSAIFGFLMDSHRYASHNKVSPLLPVACWALGYIVATLFPVAVEMSIDTILISFCQ 292
Qy 392 DLETDGSSSE 401
Db 293 DSEENQNAQ 302

RESULT 10
US-10-953-349-17831

; Sequence 17831, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; TITLE OF INVENTION: ENCODED THERBY
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 17831

; LENGTH: 366
; TYPE: PRT
; ORGANISM: Glycine max
US-10-953-349-17831

Query Match 9.6%; Score 222; DB 6; Length 366;
Best Local Similarity 20.6%; Pred. No. 1.6e-11;

Matches 82; Conservative 79; Mismatches 160; Indels 78; Gaps 12;

Qy 11 CIALLALSLAMFTRPTITLTHIFISLVILGLFVCGVLMWLYDYDTNDLSIEDTER 70
Db 4 CTIGASCSNAFPLAYR--VLILVFLFLV-----GLIIV----- 35
Qy 71 ENMKCVIGFAIVSGITAVALLVLFVLRKTKITVELFQITNKRISAPFLL--FQPLMTF 129
Db 36 -----LIVVMHRYELTVSITIGVASHLSRMMALFGVLPCLSV 73
Qy 130 AILIFFWLWVAVLISLT--GTAGAAQVMEGGQVEKPLSGIRYMSYHLIGLWTSFEL 187
Db 74 GLVIFVPIVFWFAPFNGKIVKALKSGIDCEWEDSVPAAYALAVITMLMSAAMV 133
Qy 188 ACQOMTIAGAVVTCYFNRSKNDPDHILSLISLIFFYHOGTVVKSFLISVIRIPRIIV 247
Db 134 EAQYVVISGTIANMYFSK--EHQTPKRSIRPLRVFVFPSSGTCISGLVGVVAVMSAV 192
Qy 248 MYMOMALKEOQHGLSRYLFRCCYCCFWCLDKYLLHNONAYTTAINGDECTSAKDAF 307
Db 193 ---DSARQEDTPGIVNLVL-----RCVNALITVADFLNKTINPAITGEAYCSSARWTY 245
Qy 308 KILSKNSHFTSINCFD-----FIIFLGKVLVVCFTVFGG--LMAFNRYNRAFOVMWAV 358
Db 246 ELRLRNILSAVFTTISRILAGIVFVPSASYTTIACVILKAGINLSDSIFVAAAM-- 303
Qy 359 PLLIVAFAYLVASHFLSVFETVLDALFLCPAVDLETN 397
Db 304 -VLLMWVLGYLV-----HVLDNVIDTIVCYAIDRDRGE 336

RESULT 11
US-10-953-349-17832

; Sequence 17832, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; TITLE OF INVENTION: ENCODED THERBY
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 17832
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Glycine max
US-10-953-349-17832

Query Match 8.3%; Score 192.5; DB 6; Length 305;
Best Local Similarity 22.4%; Pred. No. 3.8e-09;
Matches 64; Conservative 56; Mismatches 131; Indels 35; Gaps 8;

Qy 121 LLEPPLMTFALLIFFWLWVAVLISLTAGAAQVMEGGQVEYKRLSGIRYMSYHLIGLI 180
Db 16 LYFVPIVFWFAPF-----NGKIVKRNKLSGIDCEWEDSVPAAYALAVITML 65
Qy 181 WTSEFIACQOMTIAGAVVTCYFNRSKNDPDHILSLISLIFFYHOGTVVKSFLISVV 240
Db 66 WSAAMWBAQYVVISGTIANMYFSK--EHQTPKRSIRPLRVFVFPSSGTCISGLVGVV 124
Qy 241 RIPRIIVMOMALKEOQHGLSRYLFRCCYCCFWCLDKYLLHNONAYTTAINGDFC 300
Db 125 RMVRSAY---DSARQEDTPGIVNLVL-----RCVNALITVADFLNKTINPAITGEAYC 177


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Ox  324  ---GPIIFLKLKVLVCEFTAFGGGLMFPNRYAFQWAVDLIVAFALVHVS 373
      : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  369  LRAIGMILLIKDVALEVTLYAFIIGYFVRGLAM---LQACVLAVYVHVS 411

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Query Match Similarity      4.8%; Score 111; DB 6; Length 462;
Best Local Similarity      18.9%; Pred. No. 0.043;
Matches 78; Conservative   72; Mismatches 171; Indels 92; Gaps 16

QY      LALALSLAMFETPREITTLVHIF-----ISLVILGLLFFCGVLMWLYDYDTDL 62
Db      LTLISLIVLTITGLISASTHHPFLKKMPPEPLASVAVSG---IASLAWGCIFFIYNSR 101
QY      SIEDTERENKCVLGFALVSTGITAVLLVI-----FVLRRRIKLTVELF--- 108
Db      AV-----KATFWLSPIITCSGIVLLVIGSAVDAGIGAVFL---FALTGLYGCW 149
QY      QITNKASISAPFLLPQRLMFPALLIFPWLVMVAVNLSTGASGAQAQWHEGQVEYK 163
Db      ITPRLVETDKLTSLA--TAPPPARTRE-----VCLSTIYSVVYSGPLVTGIGATSTR 201
QY      PLSGIRYMWSTHLGLWTSEFILAQQOMTITAGAVVTCYFNRSKNDPDHPIISLSILF 223
Db      TNDLILFI-SVITISLAWTMQIVIKVQVALISRA---RYVNPABE--DMDAMNAFRTIM 255
QY      FYHQTGVKSGFLISVARIPIRIYMYONAKL--EQHGALSRYLFRCCYCCGFWCLDKYL 281
Db      KHLTGSICVGSITVLP-----IIVFGRISIRSVMLGSSDPEVYSGADCFSTANKLI 308
QY      LHLNOMATTTAINITDCTSAKDAFKLSKNS-----SHFISINCF----- 323
Db      TLGNRMGVAVHGYTDKGFEASSDPWKKFRSTTGLEKIDISLSTSSFFLSAVSVAVS 368

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OM protein - protein search, using sw model

Run on: June 15, 2006, 07:02:44 ; Search time 28 Seconds

(Without alignments)
1391.112 Million cell updates/sec

Title: US-10-063-536-32

Perfect score: 2315
Sequence: 1 MSGRDTLGLCTALALSLA.....QQDHSURNEGRLEQIVR 445

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database :

Issued Patents AA:*

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2: /EMC_Ceitera_SIDS3/prodata/2/iaa/6.COMB.rep:*

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2315	100.0	445	2	US-09-991-181-177
2	2315	100.0	445	2	US-09-990-444-177
3	2315	100.0	445	2	US-09-997-333-177
4	2315	100.0	445	2	US-09-992-598-177
5	2315	100.0	445	2	US-09-989-735-177
6	2315	100.0	445	3	US-09-989-726-177
7	2315	100.0	445	3	US-09-997-514-177
8	2315	100.0	445	3	US-09-989-728-177
9	2315	100.0	445	3	US-09-997-349-177
10	2315	100.0	445	3	US-09-997-653-177
11	2315	100.0	445	3	US-09-989-293A-177
12	594.5	25.7	704	2	US-09-547-789-7
13	563	24.3	717	2	US-10-104-047-3465
14	540	23.3	710	2	US-09-547-789-2
15	538.5	23.3	705	2	US-09-547-789-5
16	517	22.3	403	2	US-10-104-047-4454
17	428	18.5	321	2	US-09-991-181-36
18	428	18.5	321	2	US-09-990-444-36
19	428	18.5	321	2	US-09-997-333-36
20	428	18.5	321	2	US-09-992-598-36
21	428	18.5	321	2	US-09-989-735-36
22	428	18.5	321	2	US-09-989-726-36
23	428	18.5	321	3	US-09-997-514-36
24	428	18.5	321	3	US-09-989-728-36
25	428	18.5	321	3	US-09-997-349-36
26	428	18.5	321	3	US-09-997-653-36

27	428	18.5	321	3	US-09-989-293A-36	Sequence 36, App1
28	207	8.9	116	1	US-08-702-344-21	Sequence 21, App1
29	163	7.0	539	2	US-09-538-092-741	Sequence 741, App1
30	161.5	7.0	148	2	US-09-247-155-166	Sequence 166, App1
31	161.5	7.0	148	2	US-09-903-190-166	Sequence 166, App1
32	161	7.0	102	2	US-09-513-999C-4684	Sequence 4684, App1
33	112.5	4.9	348	2	US-08-513-974B-46	Sequence 46, App1
34	112.5	4.9	348	2	US-08-993-088A-10	Sequence 10, App1
35	112.5	4.9	348	2	US-08-993-424B-10	Sequence 10, App1
36	112.5	4.9	348	2	US-08-540-650B-2	Sequence 2, App1
37	112.5	4.9	348	2	US-09-595-549-5	Sequence 5, App1
38	112.5	4.9	348	2	US-09-461-368B-46	Sequence 46, App1
39	112.5	4.9	348	2	US-09-603-680-10	Sequence 10, App1
40	110.5	4.8	346	2	US-08-513-974B-342	Sequence 342, App1
41	108.5	4.7	346	2	US-09-199-737-5	Sequence 5, App1
42	108.5	4.7	346	2	US-08-993-088A-3	Sequence 3, App1
43	108.5	4.7	346	2	US-08-993-424B-3	Sequence 3, App1
44	108.5	4.7	346	2	US-09-058-333A-5	Sequence 5, App1
45	108.5	4.7	346	2	US-09-595-549-6	Sequence 6, App1
46	108.5	4.7	346	2	US-09-603-680-3	Sequence 3, App1
47	108.5	4.7	346	2	US-08-899-112B-30	Sequence 30, App1
48	108.5	4.7	346	2	US-09-011-553-7	Sequence 7, App1
49	108.5	4.7	346	3	US-10-007-132-5	Sequence 5, App1
50	107.5	4.6	349	2	US-08-513-974B-343	Sequence 343, App1
51	107	4.6	345	2	US-08-981-700A-5	Sequence 5, App1
52	107	4.6	553	2	US-09-248-796A-26547	Sequence 26547, App1
53	106	4.6	497	2	US-09-718-693A-1	Sequence 1, App1
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55	103	4.4	461	2	US-09-043-944-1	Sequence 1, App1
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57	103	4.4	461	2	US-10-811-199-1	Sequence 1, App1
58	103	4.4	461	2	US-10-811-199-6	Sequence 6, App1
59	103	4.4	461	2	US-09-915-181A-8	Sequence 8, App1
60	102.5	4.4	385	2	US-08-900-230-5	Sequence 5, App1
61	102	4.4	378	2	US-09-045-583-5	Sequence 5, App1
62	102	4.4	378	2	US-09-534-185-5	Sequence 5, App1
63	102	4.4	394	2	US-09-134-000C-3732	Sequence 3732, App1
64	102	4.4	446	1	US-07-626-618A-21	Sequence 21, App1
65	102	4.4	446	1	US-08-333-977-21	Sequence 21, App1
66	102	4.4	446	1	US-07-969-267B-4	Sequence 4, App1
67	102	4.4	446	2	US-09-168-510-4	Sequence 4, App1
68	102	4.4	446	2	US-09-826-509-487	Sequence 487, App1
69	102	4.4	446	2	US-10-277-078-4	Sequence 4, App1
70	102	4.4	446	2	US-09-359-167-4	Sequence 4, App1
71	102	4.4	446	2	US-09-107-532A-4683	Sequence 4683, App1
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74	99	4.3	889	1	US-09-328-352-8165	Sequence 8165, App1
75	98.5	4.3	318	1	US-08-349-696-25	Sequence 25, App1
76	98	4.2	318	1	US-08-233-009-25	Sequence 25, App1
77	98	4.2	318	1	US-08-560-231-25	Sequence 25, App1
78	98	4.2	318	1	US-08-560-231-25	Sequence 25, App1
79	98	4.2	318	2	US-09-080-704A-25	Sequence 25, App1
80	98	4.2	318	2	US-09-800-274-6	Sequence 6, App1
81	98	4.2	321	3	US-10-770-127-175	Sequence 175, App1
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83	98	4.2	439	2	US-09-107-433-4466	Sequence 4466, App1
84	98	4.2	466	2	US-09-134-001C-3593	Sequence 3593, App1
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86	98	4.2	680	2	US-09-248-796A-15089	Sequence 15089, App1
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88	97.5	4.2	453	2	US-09-710-279-1516	Sequence 1516, App1
89	97	4.2	335	2	US-09-387-699-4	Sequence 4, App1
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91	97	4.2	454	2	US-09-252-991A-30013	Sequence 30013, App1
92	97	4.2	613	2	US-09-170-496D-212	Sequence 212, App1
93	97	4.2	691	2	US-10-094-749-2607	Sequence 2607, App1
94	96.5	4.2	454	2	US-09-134-001C-3501	Sequence 3501, App1
95	96.5	4.2	502	1	US-08-484-840-3	Sequence 3, App1
96	96.5	4.2	502	1	US-08-483-094-3	Sequence 3, App1
97	96.5	4.2	613	2	US-09-170-496D-92	Sequence 92, App1
98	96.5	4.2	674	2	US-09-270-767-43706	Sequence 43706, App1
99	96	4.1	434	2	US-09-543-681A-7154	Sequence 7154, App1

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101	95.5	4.1	373	5	PCT-US93-08528-24	Sequence 24, Appl	174	90	3.9	2337	2	US-08-713-118-2	Sequence 2, Appli
102	95.5	4.1	500	2	US-09-543-681A-6115	Sequence 6115, Ap	175	90	3.9	2237	2	US-09-452-007-2	Sequence 2, Appli
103	95	4.1	318	2	US-09-710-279-1118	Sequence 3118, Ap	176	89.5	3.9	255	1	US-08-311-731A-141	Sequence 111, App
104	95	4.1	530	2	US-09-134-001C-4510	Sequence 4510, Ap	177	89.5	3.9	228	2	US-09-328-352-6110	Sequence 6110, Ap
105	94.5	4.1	387	2	US-09-710-279-1180	Sequence 3180, Ap	178	89.5	3.9	443	2	US-09-270-767-44403	Sequence 44463, A
106	94.5	4.1	431	3	US-09-944-049-16	Sequence 16, Appl	179	89.5	3.9	466	7	5432081-7	Patent No. 5432081
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108	94	4.1	340	2	US-09-712-368-1	Sequence 1, Appli	181	89.5	3.9	674	2	US-09-270-767-41809	Sequence 41809, A
109	94	4.1	340	2	US-10-314-048A-40	Sequence 40, Appli	182	89	3.8	261	2	US-09-328-352-5281	Sequence 5281, Ap
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111	94	4.1	495	2	US-09-915-181A-7	Sequence 7, Appli	184	89	3.8	426	2	US-09-134-001C-4970	Sequence 4970, Ap
112	94	4.1	518	2	US-10-104-047-3441	Sequence 3441, Ap	185	89	3.8	488	2	US-09-964-956-51	Sequence 51, Appl
113	94	4.1	536	2	US-09-359-167-8	Sequence 8, Appli	186	89	3.8	475	2	US-09-964-956-51	Sequence 3986, Ap
114	94	4.1	585	2	US-09-949-016-7705	Sequence 7705, Ap	187	88.5	3.8	335	2	US-09-387-699-2	Sequence 2, Appli
115	93.5	4.0	452	2	US-09-248-796A-20296	Sequence 20296, A	188	88.5	3.8	335	2	US-09-641-2598-2	Sequence 8, Appli
116	93	4.0	335	2	US-09-641-259B-25	Sequence 25, Appli	189	88.5	3.8	335	2	US-09-875-076-8	Sequence 1, Appli
117	93	4.0	401	2	US-09-949-016-8223	Sequence 8223, Ap	190	88.5	3.8	454	1	US-08-748-485-1	Sequence 1, Appli
118	93	4.0	445	2	US-08-937-834-5	Sequence 5, Appli	191	88.5	3.8	458	1	US-08-310-271-2	Sequence 2, Appli
119	93	4.0	613	2	US-09-520-210-2	Sequence 2, Appli	192	88.5	3.8	524	2	US-09-198-452A-369	Sequence 369, App
120	93	4.0	632	2	US-09-328-352-4785	Sequence 4785, Ap	193	88.5	3.8	524	2	US-09-438-185A-353	Sequence 353, App
121	92.5	4.0	315	2	US-09-248-796A-15178	Sequence 15178, A	194	88.5	3.8	568	2	US-08-637-823B-27	Sequence 27, Appl
122	92.5	4.0	324	2	US-09-543-681A-6241	Sequence 6241, Ap	195	88.5	3.8	568	2	US-09-614-957D-27	Sequence 27, Appl
123	92.5	4.0	428	7	5432081-9	Patent No. 5432081	196	88.5	3.8	584	2	US-08-637-823B-28	Sequence 28, Appl
124	92.5	4.0	677	2	US-09-489-039A-13088	Sequence 13088, A	197	88.5	3.8	221	2	US-09-614-957D-28	Sequence 4075, Ap
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126	92	4.0	349	2	US-08-993-424B-11	Sequence 11, Appli	199	88	3.8	373	2	US-08-513-974B-373	Sequence 373, App
127	92	4.0	349	2	US-08-540-650B-5	Sequence 5, Appli	200	88	3.8	630	2	US-09-134-001C-4615	Sequence 4615, Ap
128	92	4.0	349	2	US-08-693-308-2	Sequence 2, Appli	201	88	3.8	1144	2	US-09-949-016-6446	Sequence 6446, Ap
129	92	4.0	349	2	US-09-595-549-7	Sequence 7, Appli	202	88	3.8	1149	2	US-09-949-016-7682	Sequence 7682, Ap
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131	92	4.0	351	2	US-08-981-700A-6	Sequence 6, Appli	204	87.5	3.8	376	1	US-08-982-412-3	Sequence 17, Appl
132	92	4.0	351	2	US-08-513-974B-344	Sequence 344, App	205	87.5	3.8	394	3	US-10-274-851-17	Sequence 17, Appl
133	92	4.0	426	7	5268463-8	Patent No. 5268463	206	87.5	3.8	437	2	US-09-543-681A-7455	Sequence 7455, Ap
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135	92	4.0	441	1	US-09-248-796A-16114	Sequence 16114, A	208	87.5	3.8	439	2	US-09-922-501-12	Sequence 11, Appl
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137	92	4.0	457	2	US-09-151-957-6	Sequence 6, Appli	210	87.5	3.8	217	2	US-09-903-456-19	Sequence 46, Appl
138	92	4.0	457	2	US-10-195-518-6	Sequence 6, Appli	211	87	3.8	217	2	US-09-624-670-8	Sequence 48, Appl
139	92	4.0	500	2	US-09-248-796A-14502	Sequence 14502, A	212	87	3.8	315	2	US-09-745-842-4	Sequence 4, Appli
140	92	4.0	574	2	US-09-248-796A-20154	Sequence 20154, A	213	87	3.8	342	2	US-08-852-824-2	Sequence 2, Appli
141	92	4.0	1027	2	US-09-162-021B-2	Sequence 2, Appli	214	87	3.8	342	2	US-09-745-842-6	Sequence 6, Appli
142	92	4.0	1027	2	US-10-268-051-8	Sequence 8, Appli	215	87	3.8	342	2	US-09-780-576-2	Sequence 2, Appli
143	92	4.0	1027	2	US-10-125-772-2	Sequence 2, Appli	216	87	3.8	342	2	US-09-875-076-32	Sequence 32, Appli
144	92	4.0	1027	2	US-10-125-778-2	Sequence 2, Appli	217	87	3.8	342	2	US-09-518-383-2	Sequence 2, Appli
145	92	4.0	1027	2	US-10-125-792-2	Sequence 2, Appli	218	87	3.8	354	3	US-09-944-049-2	Sequence 2, Appli
146	92	4.0	1170	2	US-09-462-136-6	Sequence 6, Appli	219	87	3.8	354	3	US-09-944-049-2	Sequence 46, Appl
147	92	4.0	2336	3	US-09-268-163-10	Sequence 10, Appli	220	87	3.8	363	3	US-09-949-016-8187	Sequence 8187, Ap
148	92	4.0	2336	3	US-10-033-026-10	Sequence 2, Appli	221	87	3.8	407	2	US-09-364-425B-23	Sequence 23, Appl
149	91.5	4.0	417	2	US-09-540-236-3783	Sequence 3783, Ap	222	87	3.8	411	2	US-09-491-577-66	Sequence 66, Appl
150	91.5	4.0	420	1	US-08-466-103A-2	Sequence 2, Appli	223	87	3.8	413	2	US-09-134-001C-5503	Sequence 5503, Ap
151	91.5	4.0	463	2	US-09-602-787A-630	Sequence 630, App	224	87	3.8	483	2	US-09-693-746-24	Sequence 24, Appl
152	91	3.9	419	2	US-09-554-225-1	Sequence 1, Appli	225	87	3.8	1248	2	US-08-726-214-16	Sequence 16, Appl
153	91	3.9	419	2	US-09-875-076-2	Sequence 2, Appli	226	86.5	3.7	309	2	US-09-710-279-42	Sequence 42, Appl
154	91	3.9	497	2	US-09-811-838-8	Sequence 8, Appli	227	86.5	3.7	342	2	US-08-785-928-1	Sequence 1, Appli
155	91	3.9	497	2	US-09-543-681A-6926	Sequence 6926, Ap	228	86.5	3.7	342	2	US-08-728-603-17	Sequence 17, Appl
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157	91	3.9	613	1	US-09-030-970-2	Sequence 2, Appli	230	86.5	3.7	344	2	US-08-502-784A-9	Sequence 9, Appli
158	91	3.9	613	5	PCT-US94-11843-2	Sequence 2, Appli	231	86.5	3.7	344	2	US-08-461-244-3	Sequence 3, Appli
159	90.5	3.9	345	2	US-09-170-496D-2	Sequence 2, Appli	232	86.5	3.7	360	1	US-08-450-393A-4	Sequence 4, Appli
160	90.5	3.9	446	1	US-07-626-618A-22	Sequence 22, Appl	233	86.5	3.7	360	2	US-08-446-669-4	Sequence 4, Appli
161	90.5	3.9	446	1	US-07-626-618A-22	Sequence 22, Appl	234	86.5	3.7	360	2	US-09-045-583-50	Sequence 50, Appl
162	90.5	3.9	515	2	US-08-333-977-22	Sequence 22, Appli	235	86.5	3.7	360	2	US-09-045-583-51	Sequence 51, Appl
163	90.5	3.9	515	2	US-09-869-433-2	Sequence 2, Appli	236	86.5	3.7	360	2	US-09-534-185-50	Sequence 50, Appl
164	90.5	3.9	850	2	US-09-107-532A-3870	Sequence 3870, Ap	237	86.5	3.7	360	2	US-09-534-185-51	Sequence 51, Appl
165	90.5	3.9	850	2	US-09-583-110-4394	Sequence 4394, Ap	238	86.5	3.7	360	2	US-09-625-573-4	Sequence 4, Appli
166	90.5	3.9	861	2	US-09-107-433-2860	Sequence 2860, Ap	239	86.5	3.7	360	2	PCT-US95-00476-4	Sequence 4, Appli
167	90	3.9	325	7	5320941-2	Patent No. 5320941	240	86.5	3.7	360	5	US-08-450-393A-2	Sequence 2, Appli
168	90	3.9	329	2	US-09-502-783A-9	Sequence 9, Appli	241	86.5	3.7	374	1	US-08-446-669-2	Sequence 2, Appli
169	90	3.9	329	2	US-09-339-912A-9	Sequence 9, Appli	242	86.5	3.7	374	1	US-08-446-669-2	Sequence 2, Appli
170	90	3.9	329	2	US-09-195-662A-9	Sequence 9, Appli	243	86.5	3.7	374	1	US-10-039-659A-14	Sequence 14, Appli
171	90	3.9	349	2	US-09-826-509-503	Sequence 503, App	244	86.5	3.7	374	2	US-09-625-573-2	Sequence 2, Appli
172	90	3.9	456	2	US-09-489-039A-8332	Sequence 8332, Ap	245	86.5	3.7	374	2		

246	86.5	3.7	374	2	US-09-914-098-58	Sequence 58, Appl	319	84.5	3.7	387	2	US-09-491-577-60	Sequence 60, Appl
247	86.5	3.7	374	5	PCT-US95-00476-2	Sequence 2, Appl	320	84.5	3.7	399	2	US-09-438-185A-971	Sequence 971, App
248	86.5	3.7	377	2	US-09-949-016-11221	Sequence 11221, A	321	84.5	3.7	405	2	US-09-743-742B-2	Sequence 2, Appl
249	86.5	3.7	387	2	US-09-949-016-11222	Sequence 11222, A	322	84.5	3.7	405	2	US-09-743-742B-11	Sequence 11, Appl
250	86.5	3.7	417	2	US-09-489-039A-12011	Sequence 12011, A	323	84.5	3.7	407	1	US-08-742-440A-3	Sequence 3, Appl
251	86.5	3.7	457	7	5268463-7	Patent No. 5268463	324	84.5	3.7	411	2	US-09-602-787A-512	Sequence 512, App
252	86.5	3.7	491	2	US-09-134-001C-4612	Sequence 4612, Ap	325	84.5	3.7	415	2	US-09-328-352-4420	Sequence 4420, Ap
253	86.5	3.7	552	2	US-09-489-039A-7419	Sequence 7419, Ap	326	84.5	3.7	442	2	US-08-121-446-A	Sequence 4, Appl
254	86.5	3.7	602	2	US-09-134-001C-4416	Sequence 4416, Ap	327	84.5	3.7	442	2	US-09-520-210-10	Sequence 10, Appl
255	86.5	3.7	657	2	US-10-411-076-20	Sequence 20, Appl	328	84.5	3.7	467	2	US-09-540-226-4469	Sequence 2469, Ap
256	86.5	3.7	727	2	US-10-296-723A-14	Sequence 14, Appl	329	84.5	3.7	487	1	US-08-444-734A-2	Sequence 2, Appl
257	86	3.7	300	2	US-09-261-599B-6	Sequence 6, Appl	330	84.5	3.7	533	2	US-09-328-352-189	Sequence 7892, Ap
258	86	3.7	333	2	US-09-393-634-3	Sequence 3, Appl	331	84.5	3.7	697	2	US-09-976-594-489	Sequence 489, App
259	86	3.7	333	3	US-10-770-127-79	Sequence 79, Appl	332	84.5	3.7	820	2	US-09-328-352-200	Sequence 200, App
260	86	3.7	361	2	US-09-261-559B-1	Sequence 1, Appl	333	84.5	3.7	820	2	US-09-328-352-5766	Sequence 5766, Ap
261	86	3.7	361	2	US-09-456-455A-1	Sequence 1, Appl	334	84.5	3.7	863	2	US-09-619-353-14	Sequence 14, Appl
262	86	3.7	395	2	US-09-673-395A-612	Sequence 612, App	335	84.5	3.7	1485	2	US-09-762-569-4	Sequence 4, Appl
263	86	3.7	437	2	US-09-198-452A-204	Sequence 204, App	336	84.5	3.7	1732	1	US-08-477-451-14	Sequence 14, Appl
264	86	3.7	437	2	US-09-438-185A-190	Sequence 190, App	337	84	3.6	172	2	US-09-134-001C-5649	Sequence 5649, Ap
265	86	3.7	445	2	US-09-282-218A-12	Sequence 12, Appl	338	84	3.6	333	2	US-10-770-127-173	Sequence 173, App
266	86	3.7	445	2	US-09-328-352-6669	Sequence 6669, Ap	339	84	3.6	344	2	US-09-134-001C-5567	Sequence 5567, App
267	86	3.7	456	1	US-08-668-650B-14	Sequence 14, Appl	340	84	3.6	377	2	US-09-745-842-17	Sequence 17, Appl
268	86	3.7	456	2	US-09-194-895-14	Sequence 14, Appl	341	84	3.6	412	2	US-09-134-001C-3949	Sequence 3949, Ap
269	86	3.7	456	2	US-09-447-907-14	Sequence 14, Appl	342	84	3.6	446	2	US-09-248-796A-20349	Sequence 20349, A
270	86	3.7	472	2	US-09-134-000C-5541	Sequence 5541, Ap	343	84	3.6	461	2	US-09-303-518D-586	Sequence 586, App
271	86	3.7	672	2	US-09-543-681A-5976	Sequence 5976, Ap	344	84	3.6	462	2	US-09-710-279-906	Sequence 906, App
272	86	3.7	1059	2	US-09-134-513-2	Sequence 2, Appl	345	84	3.6	497	2	US-10-033-109-10	Sequence 10, Appl
273	86	3.7	1078	2	US-10-125-772-28	Sequence 28, Appl	346	84	3.6	521	2	US-09-710-279-532	Sequence 532, App
274	86	3.7	1078	2	US-10-125-778-38	Sequence 28, Appl	347	84	3.6	525	2	US-09-134-001C-3514	Sequence 3514, Ap
275	86	3.7	1078	2	US-10-125-792-38	Sequence 28, Appl	348	84	3.6	704	2	US-09-489-039A-1385	Sequence 1385, A
276	86	3.7	1912	2	US-09-495-714C-2	Sequence 2, Appl	349	84	3.6	1720	1	US-08-477-451-12	Sequence 12, Appl
277	86	3.7	1977	2	US-09-495-714C-4	Sequence 4, Appl	350	83.5	3.6	212	1	US-08-753-159A-4	Sequence 4, Appl
278	86	3.7	2237	1	US-08-455-543A-48	Sequence 48, Appl	351	83.5	3.6	212	2	US-09-133-735-A	Sequence 4, Appl
279	86	3.7	2237	1	US-08-223-305C-48	Sequence 48, Appl	352	83.5	3.6	282	1	US-08-118-270-52	Sequence 52, Appl
280	86	3.7	2237	1	US-09-268-163-8	Sequence 8, Appl	353	83.5	3.6	282	5	PCT-US93-08628-52	Sequence 52, Appl
281	86	3.7	2237	1	US-10-033-026-8	Sequence 8, Appl	354	83.5	3.6	315	2	US-09-154-750A-91	Sequence 91, Appl
282	86	3.7	2339	1	US-08-455-543A-47	Sequence 47, Appl	355	83.5	3.6	355	2	US-09-170-496D-164	Sequence 164, Appl
283	86	3.7	2339	1	US-08-223-305C-47	Sequence 47, Appl	356	83.5	3.6	436	2	US-09-605-703B-2864	Sequence 2864, Ap
284	86	3.7	2339	2	US-09-268-163-6	Sequence 6, Appl	357	83.5	3.6	445	1	US-08-630-118A-4	Sequence 4, Appl
285	86	3.7	2339	3	US-10-033-026-6	Sequence 6, Appl	358	83.5	3.6	445	1	US-08-838-399-4	Sequence 4, Appl
286	86	3.7	2343	2	US-09-268-163-4	Sequence 4, Appl	359	83.5	3.6	445	1	US-09-003-199-23	Sequence 23, Appl
287	86	3.7	2343	3	US-10-033-026-4	Sequence 4, Appl	360	83.5	3.6	445	2	US-09-235-839-4	Sequence 29, Appl
288	85.5	3.7	360	2	US-09-131-827A-20	Sequence 20, Appl	361	83.5	3.6	445	2	US-09-170-496D-164	Sequence 164, Appl
289	85.5	3.7	360	2	US-09-826-509-473	Sequence 473, App	362	83.5	3.6	445	2	US-09-065-027-6	Sequence 6, Appl
290	85.5	3.7	366	2	US-09-603-208A-120	Sequence 120, App	363	83.5	3.6	456	1	US-08-349-025-2	Sequence 2, Appl
291	85.5	3.7	388	2	US-10-125-772-6	Sequence 6, Appl	364	83.5	3.6	456	1	US-08-566-096A-2	Sequence 2, Appl
292	85.5	3.7	388	2	US-10-125-778-6	Sequence 6, Appl	365	83.5	3.6	456	1	US-08-668-650B-2	Sequence 2, Appl
293	85.5	3.7	388	2	US-10-125-792-6	Sequence 6, Appl	366	83.5	3.6	456	2	US-09-200-673-2	Sequence 2, Appl
294	85.5	3.7	394	2	US-10-013-846-17	Sequence 17, Appl	367	83.5	3.6	456	2	US-09-194-895-2	Sequence 2, Appl
295	85.5	3.7	394	2	US-09-543-681A-5779	Sequence 5779, Ap	368	83.5	3.6	456	2	US-09-447-907-2	Sequence 2, Appl
296	85.5	3.7	394	2	US-10-410-648-17	Sequence 17, Appl	369	83.5	3.6	456	2	US-09-962-466-2	Sequence 2, Appl
297	85.5	3.7	850	2	US-10-125-772-12	Sequence 12, Appl	370	83.5	3.6	456	5	PCT-US95-15646-2	Sequence 2, Appl
298	85.5	3.7	850	2	US-10-125-778-12	Sequence 12, Appl	371	83.5	3.6	456	2	US-09-292-071-27	Sequence 29, Appl
299	85.5	3.7	850	2	US-10-125-792-12	Sequence 12, Appl	372	83.5	3.6	456	2	US-09-292-071-29	Sequence 29, Appl
300	85.5	3.7	941	2	US-10-125-772-8	Sequence 8, Appl	373	83.5	3.6	456	2	US-09-292-069A-27	Sequence 27, Appl
301	85.5	3.7	941	2	US-10-125-772-10	Sequence 10, Appl	374	83.5	3.6	456	2	US-09-292-069A-29	Sequence 29, Appl
302	85.5	3.7	941	2	US-10-125-778-8	Sequence 8, Appl	375	83.5	3.6	456	2	US-09-032-742-10	Sequence 10, Appl
303	85.5	3.7	941	2	US-10-125-778-10	Sequence 10, Appl	376	83.5	3.6	456	2	US-09-767-013-27	Sequence 27, Appl
304	85.5	3.7	941	2	US-10-125-792-8	Sequence 8, Appl	377	83.5	3.6	456	2	US-09-767-013-29	Sequence 29, Appl
305	85.5	3.7	941	2	US-10-125-792-10	Sequence 10, Appl	378	83.5	3.6	456	2	US-09-341-446B-11	Sequence 11, Appl
306	85	3.7	360	2	US-08-833-752-7	Sequence 7, Appl	379	83.5	3.6	456	2	US-09-292-072-27	Sequence 27, Appl
307	85	3.7	360	2	US-09-938-719-7	Sequence 7, Appl	380	83.5	3.6	456	2	US-09-292-072-29	Sequence 29, Appl
308	85	3.7	360	2	US-09-938-226B-7	Sequence 7, Appl	381	83.5	3.6	456	2	US-09-170-496D-126	Sequence 126, App
309	85	3.7	360	2	US-09-938-703B-7	Sequence 7, Appl	382	83.5	3.6	456	2	US-09-170-496D-230	Sequence 23, Appl
310	85	3.7	574	2	US-09-328-352-5961	Sequence 5961, A	383	83.5	3.6	456	2	US-10-176-255-27	Sequence 27, Appl
311	85	3.7	574	2	US-09-248-796A-20164	Sequence 20164, A	384	83.5	3.6	456	2	US-10-176-255-29	Sequence 29, Appl
312	84.5	3.7	223	2	US-10-162-012-9	Sequence 9, Appl	385	83.5	3.6	489	2	US-09-710-279-2632	Sequence 2632, Ap
313	84.5	3.7	254	2	US-09-964-956-83	Sequence 83, Appl	386	83.5	3.6	639	2	US-09-538-092-17	Sequence 17, Appl
314	84.5	3.7	309	1	US-08-118-270-56	Sequence 56, Appl	387	83	3.6	359	2	US-09-602-787A-466	Sequence 466, App
315	84.5	3.7	309	5	PCT-US93-08528-56	Sequence 56, Appl	388	83	3.6	361	2	US-09-710-279-184	Sequence 184, App
316	84.5	3.7	315	2	US-09-151-771B-10	Sequence 10, Appl	389	83	3.6	481	2	US-09-303-518D-588	Sequence 588, App
317	84.5	3.7	327	2	US-09-134-000C-4685	Sequence 4685, Ap	390	83	3.6	483	3	US-09-944-049-14	Sequence 14, Appl
318	84.5	3.7	382	3	US-09-993-844A-5	Sequence 5, Appl	391	83	3.6	503	1	US-08-484-840-4	Sequence 4, Appl

392	83	3.6	503	1	US-08-483-094-4	Sequence 4, Appl1	465	82	3.5	295	1	US-08-118-270-79	Sequence 79, Appl1
393	83	3.6	617	2	US-09-248-796A-26692	Sequence 26692, A	466	82	3.5	295	5	PCT-US93-08528-79	Sequence 79, Appl1
394	83	3.6	623	2	US-09-489-039A-14033	Sequence 14033, A	467	82	3.5	300	2	US-09-261-599B-7	Sequence 7, Appl1
395	83	3.6	718	2	US-09-487-558B-388	Sequence 388, App	468	82	3.5	333	3	US-10-770-127-123	Sequence 123, App
396	83	3.6	719	2	US-09-583-110-4180	Sequence 4180, Ap	469	82	3.5	361	2	US-09-261-599B-4	Sequence 4, Appl1
397	83	3.6	728	2	US-09-107-433-4530	Sequence 4330, Ap	470	82	3.5	361	2	US-09-456-435A-4	Sequence 42, Appl1
398	83	3.6	863	3	US-09-134-000C-5733	Sequence 5733, Ap	471	82	3.5	420	2	US-09-799-978-42	Sequence 127, Appl
399	83	3.6	1058	1	US-08-687-289A-5	Sequence 5, Appl1	472	82	3.5	451	2	US-09-446-861-127	Sequence 127, Appl
400	83	3.6	1058	2	US-09-435-897-5	Sequence 5, Appl1	473	82	3.5	451	2	US-09-925-637-22	Sequence 22, Appl1
401	83	3.6	1058	1	US-08-485-588-7	Sequence 7, Appl1	474	82	3.5	462	1	US-08-898-976-2	Sequence 2, Appl1
402	83	3.6	1078	1	US-08-484-565-7	Sequence 7, Appl1	475	82	3.5	462	1	US-08-898-976-4	Sequence 4, Appl1
403	83	3.6	1078	1	US-08-480-751-7	Sequence 7, Appl1	476	82	3.5	466	2	US-09-605-703B-284	Sequence 284, App
404	83	3.6	1078	1	US-08-943-986-7	Sequence 7, Appl1	477	82	3.5	492	2	US-09-107-532A-6945	Sequence 6945, Ap
405	83	3.6	1078	2	US-08-353-784-7	Sequence 7, Appl1	478	82	3.5	705	2	US-09-328-352-4457	Sequence 4457, Ap
406	83	3.6	1078	2	US-08-484-719B-7	Sequence 7, Appl1	479	82	3.5	1144	2	US-08-726-214-6	Sequence 6, Appl1
407	83	3.6	1078	2	US-08-484-159-7	Sequence 7, Appl1	480	81.5	3.5	187	2	US-09-583-110-6676	Sequence 4676, Ap
408	83	3.6	1088	1	US-08-485-588-6	Sequence 6, Appl1	481	81.5	3.5	196	2	US-09-107-433-3633	Sequence 3633, Ap
409	83	3.6	1088	1	US-08-484-565-6	Sequence 6, Appl1	482	81.5	3.5	246	2	US-09-158-452A-22	Sequence 22, Appl1
410	83	3.6	1088	1	US-08-480-751-6	Sequence 6, Appl1	483	81.5	3.5	246	2	US-09-438-185A-13	Sequence 13, Appl1
411	83	3.6	1088	1	US-08-943-986-6	Sequence 6, Appl1	484	81.5	3.5	343	2	US-09-543-681A-6853	Sequence 6853, Ap
412	83	3.6	1088	2	US-08-353-784-6	Sequence 6, Appl1	485	81.5	3.5	392	2	US-09-711-164-375	Sequence 375, App
413	83	3.6	1088	2	US-08-484-719B-6	Sequence 6, Appl1	486	81.5	3.5	451	1	US-08-191-337-3	Sequence 3, Appl1
414	83	3.6	1088	2	US-08-484-159-6	Sequence 6, Appl1	487	81.5	3.5	458	2	US-09-489-039A-10560	Sequence 10560, A
415	83	3.6	1207	2	US-09-817-762-7	Sequence 7, Appl1	488	81.5	3.5	467	2	US-09-134-001C-3020	Sequence 3020, Ap
416	83	3.6	1503	2	US-09-600-087-2	Sequence 2, Appl1	489	81.5	3.5	479	2	US-09-583-110-6687	Sequence 4687, Ap
417	83	3.6	1503	2	US-09-949-016-6341	Sequence 6341, Ap	490	81.5	3.5	480	2	US-09-107-433-3418	Sequence 3418, Ap
418	83	3.6	1527	2	US-09-647-140B-6	Sequence 6, Appl1	491	81.5	3.5	482	2	US-08-637-823B-32	Sequence 32, Appl1
419	83	3.6	1527	2	US-09-939-853A-83	Sequence 83, Appl1	492	81.5	3.5	504	2	US-09-614-957D-32	Sequence 32, Appl1
420	83	3.6	1527	2	US-09-939-853A-84	Sequence 84, Appl1	493	81.5	3.5	504	2	US-09-614-957D-32	Sequence 32, Appl1
421	83	3.6	1529	2	US-09-949-016-11100	Sequence 11100, A	494	81.5	3.5	528	2	US-09-543-681A-6551	Sequence 6551, Ap
422	83	3.6	1530	2	US-09-647-140B-33	Sequence 33, Appl1	495	81.5	3.5	561	2	US-09-949-016-5969	Sequence 5969, Ap
423	83	3.6	2516	2	US-08-374-077C-2	Sequence 2, Appl1	496	81.5	3.5	567	2	US-09-543-681A-7515	Sequence 7515, Ap
424	83	3.6	2516	2	US-08-895-590-2	Sequence 2, Appl1	497	81.5	3.5	1228	2	US-09-439-313-537	Sequence 537, App
425	83	3.6	2516	2	US-09-539-879A-2	Sequence 2, Appl1	498	81.5	3.5	1228	2	US-09-636-215-537	Sequence 537, App
426	82.5	3.6	212	2	US-09-944-807-8	Sequence 8, Appl1	499	81.5	3.5	1228	2	US-09-685-166A-537	Sequence 537, App
427	82.5	3.6	234	2	US-09-252-991A-22939	Sequence 22939, A	500	81.5	3.5	1228	2	US-09-679-446-537	Sequence 537, App
428	82.5	3.6	316	2	US-09-393-634-39	Sequence 39, Appl1	501	81.5	3.5	1228	2	US-09-759-143-537	Sequence 537, App
429	82.5	3.6	316	2	US-09-949-016-8207	Sequence 8207, Ap	502	81.5	3.5	1228	2	US-09-651-236-537	Sequence 537, App
430	82.5	3.6	316	3	US-10-770-127-5	Sequence 5, Appl1	503	81.5	3.5	1228	2	US-09-657-279-537	Sequence 537, App
431	82.5	3.6	326	1	US-08-118-270-39	Sequence 39, Appl1	504	81.5	3.5	1228	2	US-10-012-896-537	Sequence 537, App
432	82.5	3.6	326	5	PCT-US93-08528-39	Sequence 39, Appl1	505	81.5	3.5	1228	2	US-10-144-678A-537	Sequence 537, App
433	82.5	3.6	375	1	US-08-442-134A-2	Sequence 2, Appl1	506	81.5	3.5	1261	2	US-09-439-313-538	Sequence 538, App
434	82.5	3.6	375	1	US-08-444-581B-2	Sequence 2, Appl1	507	81.5	3.5	1261	2	US-09-636-215-538	Sequence 538, App
435	82.5	3.6	375	1	US-08-446-088A-2	Sequence 2, Appl1	508	81.5	3.5	1261	2	US-09-685-166A-538	Sequence 538, App
436	82.5	3.6	375	1	US-08-559-524A-3	Sequence 3, Appl1	509	81.5	3.5	1261	2	US-09-679-426-538	Sequence 538, App
437	82.5	3.6	375	2	US-08-749-707-3	Sequence 3, Appl1	510	81.5	3.5	1261	2	US-09-759-143-538	Sequence 538, App
438	82.5	3.6	375	2	US-08-818-581B-5	Sequence 5, Appl1	511	81.5	3.5	1261	2	US-09-651-236-538	Sequence 538, App
439	82.5	3.6	375	2	US-09-947-922-3	Sequence 3, Appl1	512	81.5	3.5	1261	2	US-09-657-279-538	Sequence 538, App
440	82.5	3.6	417	2	US-09-710-279-950	Sequence 950, App	513	81.5	3.5	1261	2	US-10-012-896-538	Sequence 538, App
441	82.5	3.6	423	2	US-09-270-767-34556	Sequence 34556, A	514	81.5	3.5	1261	3	US-10-012-896-1009	Sequence 1009, Ap
442	82.5	3.6	423	2	US-09-270-767-49773	Sequence 49773, A	515	81.5	3.5	1261	3	US-10-144-678A-538	Sequence 538, App
443	82.5	3.6	436	2	US-09-922-501-8	Sequence 8, Appl1	516	81.5	3.5	1261	3	US-10-144-678A-1009	Sequence 1009, Ap
444	82.5	3.6	442	2	US-09-826-509-497	Sequence 497, App	517	81.5	3.5	1325	2	US-09-647-140B-2	Sequence 2, Appl1
445	82.5	3.6	452	1	US-08-117-361C-1	Sequence 1, Appl1	518	81.5	3.5	1325	2	US-10-329-258-10	Sequence 10, Appl1
446	82.5	3.6	455	3	US-10-274-851-7	Sequence 7, Appl1	519	81.5	3.5	1464	3	US-10-012-896-1008	Sequence 1008, Ap
447	82.5	3.6	466	2	US-09-065-027-8	Sequence 8, Appl1	520	81.5	3.5	1464	3	US-10-144-678A-1008	Sequence 1008, Ap
448	82.5	3.6	476	1	US-08-811-897A-20	Sequence 20, Appl1	521	81.5	3.5	1503	2	US-09-792-616-3	Sequence 3, Appl1
449	82.5	3.6	476	1	US-08-855-213-20	Sequence 20, Appl1	522	81	3.5	262	2	US-09-252-991A-18779	Sequence 18779, A
450	82.5	3.6	476	2	US-09-201-474-20	Sequence 20, Appl1	523	81	3.5	303	1	US-08-196-989B-9	Sequence 9, Appl1
451	82.5	3.6	482	2	US-08-637-823B-6	Sequence 6, Appl1	524	81	3.5	303	1	US-08-760-936-9	Sequence 9, Appl1
452	82.5	3.6	482	2	US-09-614-957D-6	Sequence 6, Appl1	525	81	3.5	303	2	US-09-225-024-9	Sequence 9, Appl1
453	82.5	3.6	495	1	US-08-811-897A-21	Sequence 21, Appl1	526	81	3.5	413	2	US-09-540-236-4494	Sequence 3494, Ap
454	82.5	3.6	495	1	US-08-855-213-21	Sequence 21, Appl1	527	81	3.5	483	2	US-08-637-823B-4	Sequence 4, Appl1
455	82.5	3.6	495	2	US-09-201-474-21	Sequence 21, Appl1	528	81	3.5	483	2	US-09-614-957D-4	Sequence 4, Appl1
456	82.5	3.6	503	2	US-09-198-452A-784	Sequence 784, App	529	81	3.5	488	2	US-10-152-012-46	Sequence 46, Appl1
457	82.5	3.6	580	2	US-09-438-185A-738	Sequence 738, App	530	81	3.5	550	2	US-08-637-823B-30	Sequence 30, Appl1
458	82.5	3.6	664	2	US-09-268-140-2	Sequence 2, Appl1	531	81	3.5	550	2	US-09-614-957D-30	Sequence 30, Appl1
459	82.5	3.6	664	2	US-09-949-016-9005	Sequence 9005, Ap	532	81	3.5	550	2	US-09-949-016-11374	Sequence 11374, A
460	82.5	3.6	720	2	US-09-134-000C-5631	Sequence 5631, Ap	533	81	3.5	553	2	US-08-501-572-2	Sequence 2, Appl1
461	82.5	3.6	741	2	US-09-248-796A-15489	Sequence 15489, A	534	81	3.5	553	2	US-09-040-444-2	Sequence 2, Appl1
462	82.5	3.6	777	2	US-09-270-767-45498	Sequence 45498, A	535	81	3.5	760	2	US-09-833-017B-28	Sequence 28, Appl1
463	82.5	3.6	866	2	US-08-651-999A-1	Sequence 1, Appl1	536	81	3.5	800	2	US-09-134-001C-5655	Sequence 5655, Ap
464	82.5	3.6	866	2	US-09-385-752-1	Sequence 1, Appl1	537	81	3.5	1159	1	US-08-956-242-13	Sequence 13, Appl1

538	81	3.5	1159	2	US-09-351-215-13	Sequence 13, Appl	611	80	3.5	622	2	US-09-303-518D-834	Sequence 834, App
539	81	3.5	1159	2	US-09-226-012-2	Sequence 2, Appli	612	80	3.5	700	2	US-09-543-681A-4969	Sequence 4969, Ap
540	81	3.5	1159	2	US-09-226-012-4	Sequence 10, Appl	613	80	3.5	707	2	US-09-270-767-44096	Sequence 44096, A
541	81	3.5	1159	2	US-09-358-383C-10	Sequence 10, Appl	614	80	3.5	839	2	US-09-897-427A-4	Sequence 4, Appli
542	81	3.5	1216	2	US-09-275-252A-12	Sequence 12, Appl	615	80	3.5	839	2	US-10-770-127-198	Sequence 198, App
543	81	3.5	1216	2	US-09-248-796A-19646	Sequence 19646, A	616	80	3.5	1160	3	US-09-328-352-6826	Sequence 6826, Ap
544	81	3.5	2938	5	PCT-US94-00198-3	Sequence 3, Appli	617	79.5	3.4	280	2	US-09-543-681A-6175	Sequence 6175, Ap
545	81	3.5	3092	2	US-09-487-558B-172	Sequence 172, App	618	79.5	3.4	291	2	US-09-107-532A-4147	Sequence 4147, Ap
546	80.5	3.5	263	2	US-09-328-352-4486	Sequence 4486, App	619	79.5	3.4	342	2	US-08-988-876-9	Sequence 9, Appli
547	80.5	3.5	280	2	US-09-248-796A-17871	Sequence 17871, A	620	79.5	3.4	348	1	US-08-390-000A-8	Sequence 8, Appli
548	80.5	3.5	352	2	US-08-771-276-20	Sequence 20, Appl	621	79.5	3.4	355	1	US-08-012-988A-2	Sequence 2, Appli
549	80.5	3.5	362	2	US-09-543-681A-4201	Sequence 4201, Ap	622	79.5	3.4	355	1	US-08-450-393A-52	Sequence 5, Appli
550	80.5	3.5	374	2	US-09-914-098-54	Sequence 54, Appl	623	79.5	3.4	355	2	US-08-446-669-5	Sequence 5, Appli
551	80.5	3.5	377	2	US-09-248-796A-25454	Sequence 25454, A	624	79.5	3.4	355	2	US-09-239-928-1	Sequence 1, Appli
552	80.5	3.5	398	1	US-08-288-663A-1	Sequence 1, Appli	625	79.5	3.4	355	2	US-09-886-319A-14	Sequence 14, Appl
553	80.5	3.5	403	2	US-09-170-496D-114	Sequence 114, App	626	79.5	3.4	355	2	US-10-039-659A-13	Sequence 13, Appl
554	80.5	3.5	403	2	US-09-170-496D-224	Sequence 224, App	627	79.5	3.4	355	2	US-09-961-068-1	Sequence 1, Appli
555	80.5	3.5	403	2	US-09-743-742B-4	Sequence 4, Appli	628	79.5	3.4	355	2	US-09-625-573-5	Sequence 5, Appli
556	80.5	3.5	403	2	US-09-743-742B-10	Sequence 10, Appl	629	79.5	3.4	355	2	US-09-960-547-1	Sequence 5, Appli
557	80.5	3.5	405	2	US-09-763-767-62	Sequence 62, Appl	630	79.5	3.4	355	5	PCT-US95-00476-5	Sequence 5, Appli
558	80.5	3.5	408	2	US-09-489-039A-9583	Sequence 9583, Ap	631	79.5	3.4	392	2	US-09-769-787-142	Sequence 142, App
559	80.5	3.5	420	2	US-09-248-796A-16068	Sequence 16068, A	632	79.5	3.4	398	1	US-08-288-663A-15	Sequence 15, Appl
560	80.5	3.5	420	2	US-09-270-767-57054	Sequence 57054, A	633	79.5	3.4	404	2	US-09-270-767-45353	Sequence 45353, A
561	80.5	3.5	420	2	US-09-270-767-59900	Sequence 59900, A	634	79.5	3.4	415	2	US-09-799-978-30	Sequence 30, Appl
562	80.5	3.5	420	2	US-09-270-767-61712	Sequence 61712, A	635	79.5	3.4	451	2	US-09-134-001C-4420	Sequence 4420, Ap
563	80.5	3.5	426	3	US-09-603-146-2	Sequence 2, Appli	636	79.5	3.4	476	1	US-08-811-897A-14	Sequence 14, Appl
564	80.5	3.5	445	1	US-08-630-118A-6	Sequence 6, Appli	637	79.5	3.4	476	1	US-08-811-897A-24	Sequence 24, Appl
565	80.5	3.5	445	1	US-08-838-399-6	Sequence 6, Appli	638	79.5	3.4	476	1	US-08-855-213-14	Sequence 14, Appl
566	80.5	3.5	445	1	US-09-003-199-2	Sequence 2, Appli	639	79.5	3.4	476	1	US-08-855-213-24	Sequence 24, Appl
567	80.5	3.5	445	1	US-09-003-199-21	Sequence 21, Appl	640	79.5	3.4	476	2	US-09-201-474-14	Sequence 14, Appl
568	80.5	3.5	445	2	US-09-235-839-6	Sequence 6, Appli	641	79.5	3.4	476	2	US-09-201-474-24	Sequence 24, Appl
569	80.5	3.5	445	2	US-09-040-958-2	Sequence 2, Appli	642	79.5	3.4	513	1	US-08-855-213-15	Sequence 15, Appl
570	80.5	3.5	445	2	US-09-040-958-4	Sequence 4, Appli	643	79.5	3.4	513	1	US-08-855-213-15	Sequence 15, Appl
571	80.5	3.5	445	2	US-09-327-035-6	Sequence 6, Appli	644	79.5	3.4	513	2	US-09-201-474-15	Sequence 3, Appli
572	80.5	3.5	445	2	US-09-065-027-2	Sequence 2, Appli	645	79.5	3.4	525	2	US-09-328-857A-3	Sequence 25, Appl
573	80.5	3.5	445	2	US-09-065-027-4	Sequence 4, Appli	646	79.5	3.4	553	1	US-08-811-897A-25	Sequence 25, Appl
574	80.5	3.5	445	2	US-09-708-392-13	Sequence 13, Appl	647	79.5	3.4	553	1	US-08-855-213-25	Sequence 25, Appl
575	80.5	3.5	445	2	US-09-825-509-53	Sequence 53, App	648	79.5	3.4	553	2	US-09-201-474-25	Sequence 25, Appl
576	80.5	3.5	455	1	US-08-349-025-4	Sequence 4, Appli	649	79.5	3.4	629	2	US-09-221-013A-2	Sequence 2, Appli
577	80.5	3.5	455	1	US-08-566-096A-4	Sequence 4, Appli	650	79.5	3.4	629	2	US-09-270-767-6193	Sequence 46193, A
578	80.5	3.5	455	1	US-08-668-650B-4	Sequence 4, Appli	651	79.5	3.4	659	2	US-09-328-352-6021	Sequence 6021, Ap
579	80.5	3.5	455	2	US-09-200-673-4	Sequence 4, Appli	652	79.5	3.4	661	2	US-09-605-703B-776	Sequence 776, App
580	80.5	3.5	455	2	US-09-194-895-4	Sequence 4, Appli	653	79.5	3.4	673	2	US-09-134-001C-4480	Sequence 4480, Ap
581	80.5	3.5	455	2	US-10-013-846-7	Sequence 7, Appli	654	79.5	3.4	1488	2	US-09-605-703B-772	Sequence 772, App
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583	80.5	3.5	455	2	US-09-962-646-4	Sequence 7, Appli	656	79	3.4	309	2	US-08-988-876-7	Sequence 7, Appli
584	80.5	3.5	455	2	US-10-410-648-7	Sequence 7, Appli	657	79	3.4	314	2	US-09-968-033C-5	Sequence 5, Appli
585	80.5	3.5	456	5	PCT-US95-15646-4	Sequence 2666, Ap	658	79	3.4	314	2	US-09-118-270-50	Sequence 50, Appl
586	80.5	3.5	459	2	US-09-710-279-2666	Sequence 2666, Ap	659	79	3.4	336	1	PCT-US93-08528-8	Sequence 50, Appl
587	80.5	3.5	502	2	US-09-134-001C-5674	Sequence 5674, Ap	660	79	3.4	370	5	US-09-603-208A-122	Sequence 122, App
588	80.5	3.5	549	1	US-08-676-279-57	Sequence 57, Appl	661	79	3.4	392	2	US-09-489-039A-8773	Sequence 8773, App
589	80.5	3.5	615	2	US-09-198-452A-1037	Sequence 1037, Ap	662	79	3.4	412	2	US-10-138-701-59	Sequence 59, Appl
590	80.5	3.5	615	2	US-09-438-185A-967	Sequence 967, App	663	79	3.4	415	1	US-08-194-338-10	Sequence 10, Appl
591	80.5	3.5	628	2	US-09-107-532A-6897	Sequence 6897, Ap	664	79	3.4	426	2	US-09-134-000C-6607	Sequence 6607, Ap
592	80.5	3.5	671	2	US-09-843-598-5	Sequence 5, Appli	665	79	3.4	431	2	US-09-107-532A-5523	Sequence 5523, Ap
593	80.5	3.5	671	2	US-09-843-598-7	Sequence 7, Appli	666	79	3.4	432	2	US-09-252-991A-28726	Sequence 28726, A
594	80.5	3.5	1203	2	US-10-094-749-2651	Sequence 2651, Ap	667	79	3.4	439	2	US-09-743-742B-9	Sequence 9, Appli
595	80.5	3.5	3559	2	US-09-693-532A-4965	Sequence 4965, Ap	668	79	3.4	453	2	US-08-825-294-09	Sequence 209, App
596	80.5	3.5	186	2	US-09-107-532A-4965	Sequence 85, Appl	669	79	3.4	453	2	US-09-970-966-209	Sequence 14199, A
597	80	3.5	256	2	US-09-964-956-85	Sequence 85, Appl	670	79	3.4	473	2	US-09-489-039A-14199	Sequence 14199, A
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599	80	3.5	344	2	US-08-681-192-2	Sequence 2, Appli	672	79	3.4	482	1	US-08-869-477-7	Sequence 7, Appli
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601	80	3.5	367	2	US-09-134-001C-5557	Sequence 5557, Ap	674	79	3.4	515	1	US-08-444-734A-7	Sequence 22, Appl
602	80	3.5	384	2	US-09-045-583-2	Sequence 2, Appli	675	79	3.4	515	1	US-08-406-855A-22	Sequence 22, Appl
603	80	3.5	384	2	US-09-534-185-2	Sequence 3, Appli	676	79	3.4	515	2	US-09-206-899-22	Sequence 12, Appl
604	80	3.5	393	1	US-07-629-1041-3	Sequence 3, Appli	677	79	3.4	515	2	US-09-688-415-10	Sequence 10, Appl
605	80	3.5	400	2	US-09-134-001C-2912	Sequence 2912, Ap	678	79	3.4	516	1	US-08-794-216-3	Sequence 3, Appli
606	80	3.5	436	2	US-09-175-658B-21	Sequence 21, Appl	679	79	3.4	516	1	US-08-749-289-3	Sequence 3, Appli
607	80	3.5	505	2	US-09-328-352-7155	Sequence 7155, Ap	680	79	3.4	642	1	US-08-749-289-3	Sequence 3817, Ap
608	80	3.5	513	2	US-09-489-039A-13224	Sequence 13224, A	681	79	3.4	704	2	US-09-252-991A-30631	Sequence 30631, A
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610	80	3.5	552	2	US-09-134-000C-3838	Sequence 3838, Ap	683	79	3.4				

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686	-09-245-039-3	3.4	1090	2	US-09-245-039-3	Sequence 3, Appl1	759	78.5	3.4	653	2	US-09-989-735-229	Sequence 229, App
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688	-79	3.4	1095	2	US-09-112-096-15	Sequence 15, Appl1	761	78.5	3.4	653	3	US-09-997-514-229	Sequence 229, App
689	-79	3.4	1095	2	US-09-636-215-778	Sequence 778, App	762	78.5	3.4	653	3	US-09-989-728-229	Sequence 229, App
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693	-79	3.4	1095	2	US-09-651-236-778	Sequence 778, App	766	78.5	3.4	669	2	US-09-949-016-3720	Sequence 6720, App
694	-79	3.4	1095	2	US-09-657-279-778	Sequence 778, App	767	78.5	3.4	671	2	US-08-858-207A-301	Sequence 301, App
695	-79	3.4	1095	2	US-10-012-896-778	Sequence 778, App	768	78.5	3.4	677	2	US-09-543-681A-6388	Sequence 6388, App
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698	-79	3.4	1503	2	US-09-647-140B-8	Sequence 8, Appl1	771	78	3.4	236	2	US-09-583-110-314	Sequence 4314, App
699	-79	3.4	2265	1	US-08-149-097D-36	Sequence 36, Appl1	772	78	3.4	242	2	US-09-107-433-1988	Sequence 3988, App
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702	-79	3.4	2546	2	US-09-949-016-9501	Sequence 9501, App	775	78	3.4	276	2	US-09-903-456-37	Sequence 37, Appl1
703	-78.5	3.4	207	2	US-08-811-519-13	Sequence 13, Appl1	776	78	3.4	276	2	US-09-624-670-36	Sequence 36, Appl1
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705	-78.5	3.4	286	5	PCT-US93-08528-65	Sequence 65, Appl1	778	78	3.4	299	2	US-09-107-532A-5499	Sequence 5499, App
706	-78.5	3.4	304	2	US-09-602-787A-552	Sequence 552, App	779	78	3.4	315	3	US-10-114-270-22	Sequence 22, Appl1
707	-78.5	3.4	304	2	US-09-605-703B-1702	Sequence 1702, App	780	78	3.4	359	1	US-08-148-209A-4	Sequence 4, Appl1
708	-78.5	3.4	332	2	US-09-489-039A-9330	Sequence 9330, App	781	78	3.4	394	2	US-09-710-279-100	Sequence 300, App
709	-78.5	3.4	337	2	US-08-153-848-46	Sequence 46, Appl1	782	78	3.4	400	2	US-09-134-001C-4320	Sequence 4320, App
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711	-78.5	3.4	337	2	US-09-088-337B-46	Sequence 46, Appl1	784	78	3.4	409	2	US-09-710-279-2016	Sequence 2016, App
712	-78.5	3.4	337	5	PCT-US93-11153-46	Sequence 46, Appl1	785	78	3.4	444	2	US-09-543-681A-5355	Sequence 5355, App
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714	-78.5	3.4	352	1	US-08-076-093A-4	Sequence 4, Appl1	787	78	3.4	481	2	US-09-603-208A-2	Sequence 2, Appl1
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716	-78.5	3.4	352	1	US-08-284-586-4	Sequence 4, Appl1	789	78	3.4	491	2	US-09-543-681A-4195	Sequence 4195, App
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720	-78.5	3.4	352	1	US-08-801-228-4	Sequence 4, Appl1	793	78	3.4	586	2	US-09-107-433-4370	Sequence 4370, App
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726	-78.5	3.4	352	2	US-09-517-605-4	Sequence 4, Appl1	799	78	3.4	968	2	US-09-949-016-5914	Sequence 5914, App
727	-78.5	3.4	352	2	US-09-534-185-52	Sequence 52, Appl1	800	78	3.4	987	2	US-09-949-016-10368	Sequence 10368, A
728	-78.5	3.4	352	2	US-08-833-752-5	Sequence 5, Appl1	801	78	3.4	1007	2	US-09-830-230A-366	Sequence 366, App
729	-78.5	3.4	352	2	US-09-502-783A-2	Sequence 2, Appl1	802	78	3.4	1036	2	US-09-830-230A-365	Sequence 365, App
730	-78.5	3.4	352	2	US-09-796-202-1	Sequence 1, Appl1	803	78	3.4	1085	1	US-08-485-588-5	Sequence 5, Appl1
731	-78.5	3.4	352	2	US-09-938-719-5	Sequence 5, Appl1	804	78	3.4	1085	1	US-08-484-565-5	Sequence 5, Appl1
732	-78.5	3.4	352	2	US-09-502-784A-2	Sequence 2, Appl1	805	78	3.4	1085	1	US-08-460-751-5	Sequence 5, Appl1
733	-78.5	3.4	352	2	US-09-339-912A-2	Sequence 2, Appl1	806	78	3.4	1085	1	US-08-943-986-5	Sequence 5, Appl1
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736	-78.5	3.4	352	2	US-09-195-662A-2	Sequence 2, Appl1	809	78	3.4	1085	2	US-08-484-159-5	Sequence 5, Appl1
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738	-78.5	3.4	352	2	US-09-949-002-303	Sequence 303, App	811	77.5	3.3	135	1	US-08-414-926A-13	Sequence 11, Appl1
739	-78.5	3.4	352	2	US-10-323-314-1	Sequence 1, Appl1	812	77.5	3.3	135	1	US-08-926-922-13	Sequence 13, Appl1
740	-78.5	3.4	352	2	US-09-938-703B-5	Sequence 5, Appl1	813	77.5	3.3	135	2	US-09-253-682-13	Sequence 12, Appl1
741	-78.5	3.4	352	2	US-10-072-310A-1	Sequence 1, Appl1	814	77.5	3.3	135	2	US-09-527-657-13	Sequence 13, Appl1
742	-78.5	3.4	378	2	US-09-949-002-552	Sequence 552, App	815	77.5	3.3	135	2	US-09-892-100-13	Sequence 13, Appl1
743	-78.5	3.4	408	1	US-08-742-440A-6	Sequence 6, Appl1	816	77.5	3.3	239	2	US-09-248-796A-20397	Sequence 20397, A
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745	-78.5	3.4	452	2	US-09-543-681A-8120	Sequence 8120, App	818	77.5	3.3	274	5	PCT-US93-08528-69	Sequence 69, Appl1
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748	-78.5	3.4	495	2	US-09-107-433-4639	Sequence 4639, App	821	77.5	3.3	335	2	US-09-248-796A-20118	Sequence 20118, A
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750	-78.5	3.4	619	2	US-09-248-796A-20837	Sequence 20837, App	823	77.5	3.3	352	2	US-09-826-509-977	Sequence 477, App
751	-78.5	3.4	629	2	US-09-107-532A-3954	Sequence 10, Appl1	824	77.5	3.3	352	2	US-08-749-289-1	Sequence 44, Appl1
752	-78.5	3.4	653	2	US-09-520-781-10	Sequence 10, Appl1	825	77.5	3.3	376	1	US-09-721-870-44	Sequence 44, Appl1
753	-78.5	3.4	653	2	US-09-957-187-10	Sequence 229, App	826	77.5	3.3	385	2	US-09-328-352-6641	Sequence 5641, App
754	-78.5	3.4	653	2	US-09-991-181-229	Sequence 229, App	827	77.5	3.3	412	2	US-09-543-681A-7633	Sequence 7633, App
755	-78.5	3.4	653	2	US-09-990-444-229	Sequence 10, Appl1	828	77.5	3.3	413	3	US-09-609-146-27	Sequence 27, Appl1
756	-78.5	3.4	653	2	US-09-991-053-10	Sequence 10, Appl1	829	77.5	3.3	413	3		

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831	77.5	3.3	439	2	US-09-543-681A-7772	Sequence 7772, Ap	904	76.5	3.3	429	2	US-09-248-796A-17982	Sequence 17982, A
832	77.5	3.3	438	2	US-09-609-146-29	Sequence 29, Appl	905	76.5	3.3	439	2	US-09-134-001C-3599	Sequence 3599, App
833	77.5	3.3	445	2	US-09-602-777A-312	Sequence 312, App	906	76.5	3.3	443	1	US-08-630-118A-2	Sequence 2, Appl
834	77.5	3.3	447	2	US-10-169-048-34	Sequence 34, Appl	907	76.5	3.3	445	1	US-08-838-399-2	Sequence 2, Appl
835	77.5	3.3	447	2	US-10-169-048-44	Sequence 44, Appl	908	76.5	3.3	445	1	US-09-235-839-2	Sequence 2, Appl
836	77.5	3.3	500	2	US-09-178-093B-26	Sequence 26, Appl	909	76.5	3.3	445	2	US-09-337-035-2	Sequence 2, Appl
837	77.5	3.3	553	2	US-09-514-245-4	Sequence 4, Appl	910	76.5	3.3	445	2	US-09-540-236-1105	Sequence 3105, Ap
838	77.5	3.3	590	2	US-09-489-039A-7412	Sequence 7412, Ap	911	76.5	3.3	494	2	US-09-489-039A-11852	Sequence 11852, A
839	77.5	3.3	659	2	US-09-252-991A-22940	Sequence 22940, A	912	76.5	3.3	516	2	US-09-252-991A-21293	Sequence 21329, A
840	77.5	3.3	676	2	US-09-815-923-12	Sequence 12, Appl	913	76.5	3.3	522	2	US-09-489-039A-10999	Sequence 10999, A
841	77.5	3.3	681	2	US-09-248-796A-20837	Sequence 20837, A	914	76.5	3.3	532	2	US-09-328-352-7214	Sequence 7214, Ap
842	77.5	3.3	772	2	US-09-603-208A-14	Sequence 2, Appl	915	76.5	3.3	532	2	US-09-826-509-521	Sequence 521, App
843	77.5	3.3	772	2	US-09-935-799A-2	Sequence 2, Appl	916	76.5	3.3	547	2	US-08-903-139B-7	Sequence 7, Appl
844	77.5	3.3	772	2	US-09-935-799A-5	Sequence 5, Appl	917	76.5	3.3	548	2	US-09-487-558B-405	Sequence 406, App
845	77.5	3.3	913	3	US-09-907-155B-2	Sequence 2, Appl	918	76.5	3.3	660	2	US-09-252-991A-29885	Sequence 29885, A
846	77.5	3.3	962	2	US-09-328-352-7942	Sequence 7942, Ap	919	76.5	3.3	977	2	US-09-248-796A-15579	Sequence 15579, A
847	77.5	3.3	2262	2	US-09-269-446D-44	Sequence 44, Appl	920	76.5	3.3	1031	2	US-09-543-681A-8245	Sequence 8245, Ap
848	77	3.3	223	2	US-09-465-901-22	Sequence 22, Appl	921	76.5	3.3	1039	2	US-09-900-237-14	Sequence 14, Appl
849	77	3.3	238	1	US-08-103-170-13	Sequence 13, Appl	922	76	3.3	185	2	US-09-270-767-37678	Sequence 37678, A
850	77	3.3	319	3	US-10-770-127-51	Sequence 51, Appl	923	76	3.3	185	2	US-09-270-767-52895	Sequence 52895, A
851	77	3.3	320	3	US-10-770-127-160	Sequence 160, App	924	76	3.3	207	2	US-08-811-519-16	Sequence 16, Appl
852	77	3.3	323	2	US-09-107-532A-5460	Sequence 5460, Ap	925	76	3.3	216	2	US-09-540-236-2363	Sequence 2363, Ap
853	77	3.3	342	1	US-08-742-011-2	Sequence 2, Appl	926	76	3.3	285	2	US-09-248-796A-14187	Sequence 14187, A
854	77	3.3	342	2	US-09-275-384B-5	Sequence 5, Appl	927	76	3.3	308	3	US-10-770-127-115	Sequence 115, App
855	77	3.3	342	2	US-09-116-498-2	Sequence 2, Appl	928	76	3.3	314	5	PCT-US93-08528-26	Sequence 26, Appl
856	77	3.3	342	2	US-09-449-437A-2	Sequence 2, Appl	929	76	3.3	345	1	US-08-118-270-43	Sequence 43, Appl
857	77	3.3	342	2	US-09-517-605-9	Sequence 9, Appl	930	76	3.3	345	1	PCT-US93-08528-43	Sequence 43, Appl
858	77	3.3	342	2	US-09-852-156-2	Sequence 2, Appl	931	76	3.3	353	5	US-08-467-559B-10	Sequence 10, Appl
859	77	3.3	342	2	US-09-721-341-9	Sequence 9, Appl	932	76	3.3	353	1	US-08-833-752-8	Sequence 8, Appl
860	77	3.3	342	2	US-09-721-485B-9	Sequence 9, Appl	933	76	3.3	355	2	US-09-938-719-8	Sequence 8, Appl
861	77	3.3	342	2	US-09-721-341-9	Sequence 9, Appl	934	76	3.3	355	2	US-09-939-226B-8	Sequence 8, Appl
862	77	3.3	358	2	US-09-543-681A-4765	Sequence 4765, Ap	935	76	3.3	355	2	US-09-938-703B-8	Sequence 8, Appl
863	77	3.3	378	1	US-08-383-750-2	Sequence 2, Appl	936	76	3.3	355	2	US-09-266-464-2	Sequence 2, Appl
864	77	3.3	378	1	US-08-383-751A-2	Sequence 2, Appl	937	76	3.3	357	2	US-09-170-496D-24	Sequence 24, Appl
865	77	3.3	378	2	US-08-352-678-2	Sequence 2, Appl	938	76	3.3	357	2	US-09-170-496D-176	Sequence 176, App
866	77	3.3	378	2	US-09-046-583-49	Sequence 49, Appl	939	76	3.3	357	2	US-09-952-385-2	Sequence 2, Appl
867	77	3.3	378	2	US-09-534-185-49	Sequence 49, Appl	940	76	3.3	357	2	US-09-966-755-2	Sequence 2, Appl
868	77	3.3	378	2	US-09-536-954-2	Sequence 2, Appl	941	76	3.3	357	2	US-09-522-752-2	Sequence 2, Appl
869	77	3.3	378	2	US-09-929-583B-2	Sequence 2, Appl	942	76	3.3	357	2	US-09-826-509-481	Sequence 481, App
870	77	3.3	378	2	US-09-721-341-7	Sequence 7, Appl	943	76	3.3	369	2	US-09-721-341-6	Sequence 6, Appl
871	77	3.3	378	2	US-09-721-495B-7	Sequence 7, Appl	944	76	3.3	369	2	US-09-721-495B-6	Sequence 6, Appl
872	77	3.3	378	2	US-09-721-341-7	Sequence 7, Appl	945	76	3.3	369	2	US-09-721-495B-6	Sequence 6, Appl
873	77	3.3	378	2	PCT-US93-09636-2	Sequence 2, Appl	946	76	3.3	371	2	US-09-949-016-11223	Sequence 11223, A
874	77	3.3	443	1	US-08-444-734A-3	Sequence 3, Appl	947	76	3.3	395	2	US-09-609-146-25	Sequence 25, Appl
875	77	3.3	444	1	US-07-781-254A-1	Sequence 1, Appl	948	76	3.3	395	2	US-09-328-352-8043	Sequence 8043, Ap
876	77	3.3	461	2	US-09-303-518D-590	Sequence 590, App	949	76	3.3	443	1	US-07-626-618A-18	Sequence 18, Appl
877	77	3.3	461	2	US-09-303-518D-592	Sequence 592, App	950	76	3.3	443	1	US-08-333-977-18	Sequence 18, Appl
878	77	3.3	469	2	US-09-489-039A-10214	Sequence 10214, A	951	76	3.3	443	2	US-08-826-509-489	Sequence 489, App
879	77	3.3	480	2	US-09-454-071-2	Sequence 2, Appl	952	76	3.3	443	2	US-09-540-236-3462	Sequence 3462, Ap
880	77	3.3	506	2	US-09-902-540-9883	Sequence 9883, Ap	953	76	3.3	452	2	US-09-602-787A-398	Sequence 398, App
881	77	3.3	527	2	US-09-489-039A-96935	Sequence 96935, Ap	954	76	3.3	452	2	US-09-491-577-44	Sequence 44, Appl
882	77	3.3	622	1	US-08-133-990A-4	Sequence 4, Appl	955	76	3.3	453	1	US-08-672-814D-2	Sequence 2, Appl
883	77	3.3	622	5	PCT-US92-09382-4	Sequence 4, Appl	956	76	3.3	461	1	US-09-333-696-2	Sequence 2, Appl
884	77	3.3	644	1	US-08-866-757-2	Sequence 2, Appl	957	76	3.3	461	2	US-09-282-218A-2	Sequence 2, Appl
885	77	3.3	644	2	US-09-153-593-2	Sequence 2, Appl	958	76	3.3	462	2	US-09-328-352-6888	Sequence 6888, Ap
886	77	3.3	687	2	US-09-762-569-2	Sequence 2, Appl	959	76	3.3	515	1	US-08-722-001-25	Sequence 25, Appl
887	77	3.3	765	2	US-09-762-569-6	Sequence 6, Appl	960	76	3.3	517	1	US-08-467-568-10	Sequence 10, Appl
888	77	3.3	765	2	US-09-762-569-10	Sequence 10, Appl	961	76	3.3	517	1	US-09-030-582-10	Sequence 10, Appl
889	77	3.3	1786	2	US-08-973-462-8	Sequence 8, Appl	962	76	3.3	520	1	US-08-334-698-4	Sequence 4, Appl
890	76.5	3.3	254	2	US-09-543-681A-4913	Sequence 4919, Ap	963	76	3.3	520	1	US-08-228-932-4	Sequence 4, Appl
891	76.5	3.3	355	2	US-09-874-132-3	Sequence 3, Appl	964	76	3.3	520	1	US-08-468-939-4	Sequence 4, Appl
892	76.5	3.3	355	2	US-09-586-511-3	Sequence 3, Appl	965	76	3.3	520	1	US-08-406-655A-4	Sequence 4, Appl
893	76.5	3.3	357	5	PCT-US95-07180-3	Sequence 3, Appl	966	76	3.3	520	1	US-08-722-190-4	Sequence 4, Appl
894	76.5	3.3	374	1	US-08-454-267-2	Sequence 2, Appl	967	76	3.3	520	2	US-08-244-354-4	Sequence 4, Appl
895	76.5	3.3	374	1	US-08-454-267-6	Sequence 6, Appl	968	76	3.3	520	2	US-09-206-899-4	Sequence 4, Appl
896	76.5	3.3	374	1	US-08-941-319-2	Sequence 2, Appl	969	76	3.3	520	2	US-09-444-783-4	Sequence 4, Appl
897	76.5	3.3	374	1	US-08-941-319-6	Sequence 6, Appl	970	76	3.3	520	2	US-09-668-415-4	Sequence 4, Appl
898	76.5	3.3	374	2	US-09-035-098-2	Sequence 2, Appl	971	76	3.3	520	2	US-09-444-783-4	Sequence 4, Appl
899	76.5	3.3	374	2	US-09-035-098-6	Sequence 6, Appl	972	76	3.3	520	5	PCT-US95-04203-4	Sequence 4, Appl
900	76.5	3.3	374	2	US-09-215-252-5	Sequence 5, Appl	973	76	3.3	575	2	US-09-927-267-16	Sequence 16, Appl
901	76.5	3.3	374	2	US-09-970-989A-5	Sequence 5, Appl	974	76	3.3	680	2	US-09-720-317A-18	Sequence 18, Appl
902	76.5	3.3	383	2	US-09-560-761B-28	Sequence 28, Appl	975	76	3.3				

976	76	3.3	692	2	US-09-540-236-3150	Sequence 3150, Ap	1049	75	3.2	355	5	PCT-US93-08528-11	Sequence 11, Appl
977	76	3.3	725	2	US-09-248-796A-20849	Sequence 20849, A	1050	75	3.2	361	2	US-09-482-773-236	Sequence 226, App
978	76	3.3	1085	2	US-09-734-674-4	Sequence 4, Appli	1051	75	3.2	375	2	US-09-248-19270, A	Sequence 19270, A
979	76	3.3	1085	2	US-10-274-990-4	Sequence 4, Appli	1052	75	3.2	377	2	US-09-248-796A-17323	Sequence 17323, A
980	76	3.3	1095	2	US-09-636-215-780	Sequence 780, App	1053	75	3.2	425	2	US-09-543-681A-6042	Sequence 6042, Ap
981	76	3.3	1095	2	US-09-685-166A-780	Sequence 780, App	1054	75	3.2	428	2	US-09-198-452A-720	Sequence 720, App
982	76	3.3	1095	2	US-09-679-426-780	Sequence 780, App	1055	75	3.2	428	2	US-09-799-978-36	Sequence 36, Appl
983	76	3.3	1095	2	US-09-759-143-780	Sequence 780, App	1056	75	3.2	428	2	US-09-438-185A-682	Sequence 682, App
984	76	3.3	1095	2	US-09-651-236-780	Sequence 780, App	1057	75	3.2	444	1	US-07-626-618A-19	Sequence 19, Appl
985	76	3.3	1095	2	US-09-657-279-780	Sequence 780, App	1058	75	3.2	444	1	US-08-333-977-19	Sequence 19, Appl
986	76	3.3	1095	2	US-10-012-896-780	Sequence 780, App	1059	75	3.2	447	2	US-09-489-039A-10593	Sequence 10593, A
987	76	3.3	1095	2	US-10-144-678A-780	Sequence 780, App	1060	75	3.2	462	2	US-09-238-796-2	Sequence 2, Appli
988	76	3.3	1498	2	US-09-792-616-9	Sequence 9, Appli	1061	75	3.2	472	2	US-09-489-039A-8121	Sequence 8121, Ap
989	75.5	3.3	325	1	US-08-671-525B-10	Sequence 10, Appl	1062	75	3.2	478	2	US-09-902-540-10474	Sequence 10474, A
990	75.5	3.3	325	1	US-08-672-109B-10	Sequence 10, Appl	1063	75	3.2	482	1	US-07-792-885A-1	Sequence 1, Appli
991	75.5	3.3	325	1	US-08-842-045-10	Sequence 10, Appl	1064	75	3.2	485	2	US-09-107-532A-5650	Sequence 5650, Ap
992	75.5	3.3	325	1	US-08-842-238-10	Sequence 10, Appl	1065	75	3.2	495	2	US-09-489-039A-10528	Sequence 10528, A
993	75.5	3.3	325	1	US-08-706-281A-18	Sequence 18, Appl	1066	75	3.2	517	2	US-09-815-523-16	Sequence 16, Appl
994	75.5	3.3	325	2	US-08-629-335B-10	Sequence 18, Appl	1067	75	3.2	528	2	US-09-248-796A-20729	Sequence 20729, A
995	75.5	3.3	325	2	US-09-097-231-18	Sequence 18, Appl	1068	75	3.2	537	2	US-09-489-039A-11449	Sequence 11449, A
996	75.5	3.3	325	2	US-09-353-099-18	Sequence 18, Appl	1069	75	3.2	555	2	US-08-956-171E-5247	Sequence 5247, Ap
997	75.5	3.3	329	1	US-08-619-362A-10	Sequence 10, Appl	1070	75	3.2	555	2	US-08-781-986A-5247	Sequence 5247, Ap
998	75.5	3.3	359	2	US-09-134-000C-5442	Sequence 5442, Ap	1071	75	3.2	559	1	US-08-313-553-15	Sequence 15, Appl
999	75.5	3.3	381	1	US-08-467-125-2	Sequence 2, Appli	1072	75	3.2	559	2	US-08-767-993-15	Sequence 15, Appl
1000	75.5	3.3	381	1	US-08-911-320A-2	Sequence 2, Appli	1073	75	3.2	614	2	US-09-543-681A-4330	Sequence 4330, Ap
1001	75.5	3.3	381	2	US-09-217-101-2	Sequence 2, Appli	1074	75	3.2	614	2	US-09-949-016-10337	Sequence 10337, A
1002	75.5	3.3	397	2	US-09-248-796A-20419	Sequence 20419, A	1075	75	3.2	730	2	US-09-603-208A-218	Sequence 218, App
1003	75.5	3.3	407	2	US-09-543-681A-6945	Sequence 6945, Ap	1076	75	3.2	811	2	US-09-252-991A-22216	Sequence 22216, A
1004	75.5	3.3	419	2	US-09-328-352-6670	Sequence 6670, Ap	1077	75	3.2	879	1	US-08-220-151-2	Sequence 2, Appli
1005	75.5	3.3	421	2	US-09-489-039A-9655	Sequence 9655, Ap	1078	75	3.2	879	1	US-08-220-151-3	Sequence 3, Appli
1006	75.5	3.3	448	2	US-09-540-236-3707	Sequence 3707, Ap	1079	75	3.2	879	1	US-08-413-118-3	Sequence 2, Appli
1007	75.5	3.3	450	2	US-09-134-001C-4858	Sequence 4858, Ap	1080	75	3.2	879	1	US-08-413-118-3	Sequence 3, Appli
1008	75.5	3.3	455	2	US-09-902-540-13198	Sequence 13198, A	1081	75	3.2	879	1	US-08-413-118-106	Sequence 106, App
1009	75.5	3.3	457	2	US-09-282-218A-18	Sequence 18, Appl	1082	75	3.2	879	2	US-08-473-446-2	Sequence 2, Appli
1010	75.5	3.3	463	2	US-09-543-681A-8204	Sequence 8204, Ap	1083	75	3.2	879	2	US-08-473-446-3	Sequence 3, Appli
1011	75.5	3.3	463	2	US-09-830-230A-17	Sequence 17, Appl	1084	75	3.2	1098	2	US-08-726-214-10	Sequence 106, App
1012	75.5	3.3	465	2	US-08-788-231A-2	Sequence 2, Appli	1085	75	3.2	198	2	US-09-489-039A-12571	Sequence 12571, A
1013	75.5	3.3	465	2	US-09-496-239A-2	Sequence 2, Appli	1086	74.5	3.2	159	2	US-09-489-039A-11949	Sequence 11949, A
1014	75.5	3.3	465	2	US-09-043-944-4	Sequence 4, Appli	1087	74.5	3.2	259	2	US-09-543-681A-6382	Sequence 6382, Ap
1015	75.5	3.3	465	2	US-10-811-199-4	Sequence 4, Appli	1088	74.5	3.2	276	2	US-09-543-681A-6382	Sequence 6382, Ap
1016	75.5	3.3	471	2	US-09-107-532A-4028	Sequence 4028, Ap	1089	74.5	3.2	296	2	US-09-543-681A-4672	Sequence 4672, Ap
1017	75.5	3.3	486	2	US-10-033-109-12	Sequence 12, Appl	1090	74.5	3.2	297	1	US-08-118-270-58	Sequence 58, Appl
1018	75.5	3.3	490	2	US-09-489-039A-9610	Sequence 9610, Ap	1091	74.5	3.2	297	5	PCT-US93-08528-58	Sequence 58, Appl
1019	75.5	3.3	499	2	US-09-540-236-3217	Sequence 3217, Ap	1092	74.5	3.2	319	2	US-09-543-681A-5338	Sequence 5398, Ap
1020	75.5	3.3	502	1	US-09-134-000C-6114	Sequence 6114, Ap	1093	74.5	3.2	320	1	US-08-101-435-4	Sequence 4, Appli
1021	75.5	3.3	515	1	US-09-073-362-3	Sequence 3, Appli	1094	74.5	3.2	320	2	US-09-489-039A-10349	Sequence 10349, A
1022	75.5	3.3	515	1	US-09-243-920-3	Sequence 3, Appli	1095	74.5	3.2	322	2	US-09-134-000C-5510	Sequence 5510, Ap
1023	75.5	3.3	515	2	US-09-949-016-6445	Sequence 6445, Ap	1096	74.5	3.2	352	2	US-08-466-343D-2	Sequence 2, Appli
1024	75.5	3.3	538	2	US-09-107-532A-5563	Sequence 5563, Ap	1097	74.5	3.2	355	2	US-09-886-319A-13	Sequence 13, Appl
1025	75.5	3.3	540	2	US-09-270-767-35182	Sequence 35182, A	1098	74.5	3.2	373	2	US-09-622-439-36	Sequence 26, Appl
1026	75.5	3.3	540	2	US-09-270-767-50399	Sequence 50399, A	1099	74.5	3.2	373	2	US-10-318-142-26	Sequence 26, Appl
1027	75.5	3.3	552	2	US-09-949-016-9572	Sequence 9572, Ap	1100	74.5	3.2	384	2	US-08-530-862B-4	Sequence 4, Appli
1028	75.5	3.3	556	2	US-08-501-572-1	Sequence 1, Appli	1101	74.5	3.2	384	2	US-08-537-313D-4	Sequence 4, Appli
1029	75.5	3.3	556	2	US-09-040-444-1	Sequence 1, Appli	1102	74.5	3.2	384	2	US-09-885-189-4	Sequence 4, Appli
1030	75.5	3.3	602	2	US-09-328-352-4802	Sequence 4802, Ap	1103	74.5	3.2	409	2	US-09-326-203A-23	Sequence 23, Appl
1031	75.5	3.3	600	2	US-08-836-687B-31	Sequence 31, Appl	1104	74.5	3.2	409	2	US-09-328-352-6044	Sequence 6044, Ap
1032	75.5	3.3	619	2	US-10-056-790-12	Sequence 12, Appl	1105	74.5	3.2	413	2	US-09-248-796A-15436	Sequence 15436, A
1033	75.5	3.3	619	2	US-10-056-790-12	Sequence 12, Appl	1106	74.5	3.2	415	2	US-09-341-016A-1	Sequence 1, Appli
1034	75.5	3.3	631	2	US-09-720-317A-29	Sequence 29, Appl	1107	74.5	3.2	425	2	US-09-711-164-428	Sequence 428, App
1035	75.5	3.3	658	2	US-09-538-092-1190	Sequence 1190, Ap	1108	74.5	3.2	470	2	US-09-543-681A-7894	Sequence 7894, Ap
1036	75.5	3.3	717	2	US-09-583-110-4629	Sequence 4629, Ap	1109	74.5	3.2	477	2	US-09-134-001C-3487	Sequence 3487, Ap
1037	75.5	3.3	721	2	US-09-107-443-2819	Sequence 2819, Ap	1110	74.5	3.2	504	2	US-10-104-047-8872	Sequence 3872, Ap
1038	75.5	3.3	721	2	US-09-830-230A-317	Sequence 317, App	1111	74.5	3.2	543	2	US-09-248-796A-20036	Sequence 20036, A
1039	75	3.2	263	2	US-09-489-039A-12047	Sequence 12047, A	1112	74.5	3.2	548	2	US-09-543-681A-4994	Sequence 4994, Ap
1040	75	3.2	277	2	US-09-248-796A-20073	Sequence 20073, A	1113	74.5	3.2	575	2	US-09-328-352-6465	Sequence 6465, Ap
1041	75	3.2	280	2	US-09-328-352-7866	Sequence 7866, Ap	1114	74.5	3.2	597	2	US-09-815-923-14	Sequence 14, Appl
1042	75	3.2	308	2	US-09-543-681A-7751	Sequence 7751, A	1115	74.5	3.2	599	2	US-09-248-796A-16137	Sequence 16137, A
1043	75	3.2	313	2	US-09-328-352-7184	Sequence 7184, Ap	1116	74.5	3.2	605	2	US-09-328-352-7890	Sequence 7890, Ap
1044	75	3.2	318	1	US-08-619-362A-9	Sequence 9, Appli	1117	74.5	3.2	626	1	US-08-956-242-2	Sequence 2, Appli
1045	75	3.2	355	1	US-08-118-270-11	Sequence 11, Appl	1118	74.5	3.2	626	2	US-09-351-215-2	Sequence 2, Appli
1046	75	3.2	355	1	US-08-461-244-2	Sequence 2, Appli	1119	74.5	3.2	662	2	US-09-248-796A-16065	Sequence 16065, A
1047	75	3.2	355	2	US-09-045-583-56	Sequence 56, Appl	1120	74.5	3.2	671	2	US-09-583-110-2642	Sequence 2642, Ap
1048	75	3.2	355	2	US-09-534-185-56	Sequence 56, Appl	1121	74.5	3.2	676	2	US-09-107-433-4098	Sequence 4098, Ap

1122	74.5	3.2	908	2	US-08-855-146-2	Sequence 2, Appli	1195	74	3.2	851	2	US-09-619-353-12	Sequence 12, Appli
1123	74.5	3.2	915	2	US-09-107-532A-3714	Sequence 3714, Ap	1196	74	3.2	1079	1	US-08-485-568-8	Sequence 8, Appli
1124	74.5	3.2	1253	2	US-08-864-785-2	Sequence 2, Appli	1197	74	3.2	1079	1	US-08-484-565-8	Sequence 8, Appli
1125	74.5	3.2	2161	1	US-07-745-206A-2	Sequence 2, Appli	1198	74	3.2	1079	1	US-08-480-751-8	Sequence 8, Appli
1126	74.5	3.2	2161	1	US-08-455-543A-49	Sequence 49, Appli	1199	74	3.2	1079	1	US-08-943-964-8	Sequence 8, Appli
1127	74.5	3.2	2161	1	US-08-455-543A-51	Sequence 51, Appli	1200	74	3.2	1079	2	US-08-353-786-8	Sequence 8, Appli
1128	74.5	3.2	2161	1	US-08-223-305C-49	Sequence 49, Appli	1201	74	3.2	1079	2	US-08-484-719B-8	Sequence 8, Appli
1129	74.5	3.2	2161	1	US-08-223-305C-51	Sequence 51, Appli	1202	74	3.2	1079	2	US-08-484-159-8	Sequence 8, Appli
1130	74.5	3.2	2161	1	US-08-311-363-2	Sequence 2, Appli	1203	74.5	3.2	1110	2	US-09-248-786A-22030	Sequence 22030, A
1131	74.5	3.2	2181	2	US-09-949-016-5581	Sequence 5581, Ap	1204	73.5	3.2	182	2	US-09-107-532A-5036	Sequence 5036, Ap
1132	74.5	3.2	2188	2	US-09-949-016-8295	Sequence 8295, Ap	1205	73.5	3.2	230	2	US-09-605-703B-2776	Sequence 2776, Ap
1133	74.5	3.2	2291	1	US-08-286-819A-29	Sequence 29, Appli	1206	73.5	3.2	238	2	US-09-247-155-89	Sequence 89, Appli
1134	74.5	3.2	2291	2	US-08-980-357-29	Sequence 29, Appli	1207	73.5	3.2	238	2	US-09-903-190-89	Sequence 89, Appli
1135	74.5	3.2	2291	2	US-09-357-375-29	Sequence 29, Appli	1208	73.5	3.2	292	2	US-09-134-001C-4109	Sequence 4109, Ap
1136	74	3.2	178	2	US-09-248-796A-17314	Sequence 17314, A	1209	73.5	3.2	292	2	US-09-549-848B-32	Sequence 32, Appli
1137	74	3.2	193	2	US-09-543-681A-5429	Sequence 5429, Ap	1210	73.5	3.2	292	2	US-09-668-069-12	Sequence 32, Appli
1138	74	3.2	198	2	US-09-328-352-8198	Sequence 8198, Ap	1211	73.5	3.2	293	2	US-10-088-744A-12	Sequence 12, Appli
1139	74	3.2	207	2	US-08-811-519-17	Sequence 17, Appli	1212	73.5	3.2	294	2	US-09-543-681A-7642	Sequence 7642, Ap
1140	74	3.2	317	2	US-09-543-681A-6705	Sequence 6705, Ap	1213	73.5	3.2	296	2	US-09-328-352-7831	Sequence 7831, Ap
1141	74	3.2	337	2	US-09-710-279-444	Sequence 444, App	1214	73.5	3.2	296	2	US-10-088-744A-10	Sequence 10, Appli
1142	74	3.2	338	2	US-09-286-805-4	Sequence 4, Appli	1215	73.5	3.2	305	2	US-09-489-039A-14056	Sequence 14056, A
1143	74	3.2	342	2	US-09-116-498-4	Sequence 4, Appli	1216	73.5	3.2	313	2	US-09-328-352-7996	Sequence 7996, Ap
1144	74	3.2	342	2	US-09-852-156-4	Sequence 4, Appli	1217	73.5	3.2	322	2	US-09-543-681A-6734	Sequence 6734, Ap
1145	74	3.2	347	2	US-09-134-001C-5508	Sequence 5508, Ap	1218	73.5	3.2	326	2	US-09-134-000C-4813	Sequence 4813, Ap
1146	74	3.2	348	1	US-08-118-270-13	Sequence 13, Appli	1219	73.5	3.2	329	2	US-09-438-185A-348	Sequence 348, App
1147	74	3.2	348	5	PCT-US93-08528-13	Sequence 13, Appli	1220	73.5	3.2	332	2	US-08-706-281A-16	Sequence 16, Appli
1148	74	3.2	358	1	US-08-153-848-19	Sequence 19, Appli	1221	73.5	3.2	332	2	US-09-097-231-16	Sequence 16, Appli
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1150	74	3.2	358	2	US-09-088-337B-19	Sequence 19, Appli	1223	73.5	3.2	342	2	US-09-328-352-4501	Sequence 4501, Ap
1151	74	3.2	358	5	PCT-US93-11153-19	Sequence 19, Appli	1224	73.5	3.2	352	2	US-09-826-509-885	Sequence 485, App
1152	74	3.2	365	2	US-09-252-991A-21955	Sequence 21955, A	1225	73.5	3.2	355	2	US-08-833-752-9	Sequence 9, Appli
1153	74	3.2	372	2	US-09-328-352-6169	Sequence 6169, Ap	1226	73.5	3.2	355	2	US-09-328-352-4374	Sequence 4374, Ap
1154	74	3.2	373	2	US-09-543-681A-4417	Sequence 4417, Ap	1227	73.5	3.2	355	2	US-09-938-719-9	Sequence 9, Appli
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1156	74	3.2	378	2	US-09-299-843A-15	Sequence 15, Appli	1229	73.5	3.2	355	2	US-09-938-703B-9	Sequence 9, Appli
1157	74	3.2	378	2	US-09-251-545-1	Sequence 1, Appli	1230	73.5	3.2	364	2	US-09-710-279-2626	Sequence 2626, Ap
1158	74	3.2	378	2	US-09-088-337B-15	Sequence 15, Appli	1231	73.5	3.2	380	2	US-09-328-352-6640	Sequence 5640, Ap
1159	74	3.2	378	2	US-09-170-496D-74	Sequence 74, Appli	1232	73.5	3.2	384	1	US-09-071-443-4	Sequence 3, Appli
1160	74	3.2	378	5	PCT-US93-11153-15	Sequence 15, Appli	1233	73.5	3.2	390	2	US-07-937-609-18	Sequence 18, Appli
1161	74	3.2	386	2	US-09-543-681A-8033	Sequence 8033, Ap	1234	73.5	3.2	390	2	US-08-029-170-18	Sequence 18, Appli
1162	74	3.2	400	2	US-10-140-372-1	Sequence 1, Appli	1235	73.5	3.2	390	2	US-09-520-210-13	Sequence 13, Appli
1163	74	3.2	404	2	US-09-134-001C-4261	Sequence 4261, Ap	1236	73.5	3.2	390	2	US-09-443-745-18	Sequence 18, Appli
1164	74	3.2	410	1	US-08-153-848-7	Sequence 7, Appli	1237	73.5	3.2	390	5	PCT-US92-02091-6	Sequence 6, Appli
1165	74	3.2	410	2	US-09-299-843A-7	Sequence 7, Appli	1238	73.5	3.2	395	2	US-08-635-552A-4	Sequence 4, Appli
1166	74	3.2	410	2	US-09-088-337B-7	Sequence 7, Appli	1239	73.5	3.2	399	2	US-09-602-787A-416	Sequence 416, App
1167	74	3.2	410	2	US-09-543-681A-8105	Sequence 8105, Ap	1240	73.5	3.2	403	2	US-09-134-000C-5708	Sequence 5708, Ap
1168	74	3.2	410	5	PCT-US93-11153-7	Sequence 7, Appli	1241	73.5	3.2	403	2	US-10-140-372-2	Sequence 2, Appli
1169	74	3.2	414	2	US-09-489-039A-10869	Sequence 10869, A	1242	73.5	3.2	412	2	US-09-489-039A-8361	Sequence 8361, Ap
1170	74	3.2	438	1	US-08-846-762-8	Sequence 8, Appli	1243	73.5	3.2	412	2	US-09-248-786A-22404	Sequence 22404, A
1171	74	3.2	440	2	US-09-583-110-4693	Sequence 4693, Ap	1244	73.5	3.2	412	2	US-09-949-016-10101	Sequence 10101, A
1172	74	3.2	456	2	US-09-328-352-7590	Sequence 7590, Ap	1245	73.5	3.2	412	2	US-10-088-744A-4	Sequence 4, Appli
1173	74	3.2	474	2	US-09-701-068-5	Sequence 5, Appli	1246	73.5	3.2	415	2	US-10-088-744A-8	Sequence 8, Appli
1174	74	3.2	518	2	US-09-583-110-4157	Sequence 4157, Ap	1247	73.5	3.2	415	2	US-09-545-944-2	Sequence 2, Appli
1175	74	3.2	539	2	US-09-701-068-2	Sequence 2, Appli	1248	73.5	3.2	415	2	US-09-875-076-12	Sequence 12, Appli
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1177	74	3.2	550	1	US-08-509-187D-4	Sequence 4, Appli	1250	73.5	3.2	415	2	US-10-088-744A-2	Sequence 2, Appli
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1179	74	3.2	550	5	PCT-US93-09704A-4	Sequence 4, Appli	1252	73.5	3.2	415	3	US-09-609-146-4	Sequence 4, Appli
1180	74	3.2	557	2	US-09-540-236-2206	Sequence 2206, Ap	1253	73.5	3.2	419	1	US-08-270-581-2	Sequence 2, Appli
1181	74	3.2	569	2	US-09-674-768-6	Sequence 6, Appli	1254	73.5	3.2	419	2	US-09-146-893-2	Sequence 2, Appli
1182	74	3.2	573	2	US-10-104-047-3669	Sequence 3669, Ap	1255	73.5	3.2	419	2	US-08-675-499A-5	Sequence 5, Appli
1183	74	3.2	614	1	US-08-291-299-7	Sequence 7, Appli	1256	73.5	3.2	419	2	US-08-812-008-5	Sequence 5, Appli
1184	74	3.2	614	5	PCT-US95-10579-7	Sequence 7, Appli	1257	73.5	3.2	419	2	US-09-543-681A-6107	Sequence 6107, Ap
1185	74	3.2	621	2	US-09-720-317A-16	Sequence 16, Appli	1258	73.5	3.2	419	2	US-10-117-795-2	Sequence 2, Appli
1186	74	3.2	663	2	US-08-959-004-5	Sequence 5, Appli	1259	73.5	3.2	419	2	US-10-124-222-2	Sequence 2, Appli
1187	74	3.2	676	2	US-09-949-016-9494	Sequence 9494, Ap	1260	73.5	3.2	419	2	US-10-172-527A-14	Sequence 14, Appli
1188	74	3.2	682	2	US-09-134-001C-5250	Sequence 5250, Ap	1261	73.5	3.2	419	3	US-11-024-426-2	Sequence 2, Appli
1189	74	3.2	711	2	US-08-772-270A-12	Sequence 12, Appli	1262	73.5	3.2	431	2	US-09-489-039A-14276	Sequence 14276, A
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1192	74	3.2	834	1	US-08-677-734A-10	Sequence 10, Appli	1265	73.5	3.2	444	2	US-09-492-709A-258	Sequence 258, App
1193	74	3.2	834	2	US-09-097-053-9	Sequence 9, Appli	1266	73.5	3.2	448	1	US-08-811-897A-18	Sequence 18, Appli
1194	74	3.2	834	2	US-09-097-053-10	Sequence 10, Appli	1267	73.5	3.2	448	1	US-08-855-213-18	Sequence 18, Appli

1268	73.5	3.2	448	2	US-09-201-474-18	Sequence 18, Appl	1341	73	3.2	823	1	US-07-745-2064-15	Sequence 15, Appl
1269	73.5	3.2	449	2	US-09-198-452A-575	Sequence 575, App	1342	73	3.2	823	1	US-08-311-363-15	Sequence 15, Appl
1270	73.5	3.2	451	2	US-09-489-039A-7269	Sequence 7269, Ap	1343	73	3.2	1065	2	US-09-328-352-8064	Sequence 8064, Ap
1271	73.5	3.2	461	1	US-08-194-338-4	Sequence 4, Appli	1344	73	3.2	1754	1	US-07-745-2064-13	Sequence 13, Appl
1272	73.5	3.2	464	2	US-09-438-185A-538	Sequence 538, App	1345	73	3.2	1754	1	US-08-311-363-13	Sequence 13, Appl
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1276	73.5	3.2	473	2	US-09-790-838-5	Sequence 5, Appli	1349	72.5	3.1	217	2	US-09-328-714A-3	Sequence 3, Appli
1277	73.5	3.2	473	2	US-10-165-800-9	Sequence 9, Appli	1350	72.5	3.1	242	2	US-09-684-725-2	Sequence 2, Appli
1278	73.5	3.2	474	2	US-09-790-838-4	Sequence 4, Appli	1351	72.5	3.1	267	2	US-09-745-642-12	Sequence 12, Appl
1279	73.5	3.2	474	2	US-10-165-800-8	Sequence 8, Appli	1352	72.5	3.1	278	2	US-09-710-279-2912	Sequence 2912, Ap
1280	73.5	3.2	475	1	US-07-686-591-4	Sequence 4, Appli	1353	72.5	3.1	309	2	US-09-328-352-6344	Sequence 6344, Ap
1281	73.5	3.2	475	1	US-07-970-715-4	Sequence 48, Appli	1354	72.5	3.1	332	1	US-08-671-525B-8	Sequence 8, Appli
1282	73.5	3.2	475	2	US-09-964-956-48	Sequence 48, Appli	1355	72.5	3.1	332	1	US-08-672-109B-8	Sequence 8, Appli
1283	73.5	3.2	478	2	US-09-489-039A-7205	Sequence 7205, Ap	1356	72.5	3.1	332	1	US-08-842-035-8	Sequence 8, Appli
1284	73.5	3.2	491	2	US-09-710-279-2770	Sequence 2770, Ap	1357	72.5	3.1	332	1	US-08-842-035-8	Sequence 8, Appli
1285	73.5	3.2	493	2	US-09-252-991A-23214	Sequence 23214, A	1358	72.5	3.1	332	1	US-08-780-749A-2	Sequence 2, Appli
1286	73.5	3.2	504	2	US-09-134-001C-5530	Sequence 5530, Ap	1359	72.5	3.1	332	2	US-08-629-335B-8	Sequence 8, Appli
1287	73.5	3.2	509	2	US-09-328-352-5785	Sequence 5785, Ap	1360	72.5	3.1	332	2	US-08-870-511-2	Sequence 2, Appli
1288	73.5	3.2	549	3	US-09-489-039A-13986	Sequence 13986, A	1361	72.5	3.1	332	2	US-09-384-302A-9	Sequence 2, Appli
1289	73.5	3.2	551	3	US-09-622-964A-29	Sequence 29, Appl	1362	72.5	3.1	332	2	US-09-831-206-2	Sequence 2, Appli
1290	73.5	3.2	579	2	US-09-540-236-2373	Sequence 2373, Ap	1363	72.5	3.1	332	3	US-10-373-355-2	Sequence 2, Appli
1291	73.5	3.2	605	2	US-09-489-039A-9333	Sequence 9333, Ap	1364	72.5	3.1	348	2	US-08-430-286A-11	Sequence 11, Appl
1292	73.5	3.2	630	2	US-09-602-787A-548	Sequence 548, App	1365	72.5	3.1	361	2	US-09-134-000C-5597	Sequence 5507, Ap
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1295	73.5	3.2	693	2	US-09-252-991A-19167	Sequence 19167, A	1368	72.5	3.1	383	2	US-09-299-549-3	Sequence 3, Appli
1296	73.5	3.2	877	2	US-09-619-353-2	Sequence 23, Appl	1369	72.5	3.1	383	2	US-09-610-417-3	Sequence 3, Appli
1297	73.5	3.2	1131	2	US-09-487-558B-72	Sequence 72, Appli	1370	72.5	3.1	383	2	US-09-981-947B-3	Sequence 3, Appli
1298	73.5	3.2	1194	2	US-09-171-553B-5	Sequence 5, Appli	1371	72.5	3.1	384	2	US-09-303-518B-708	Sequence 708, App
1299	73.5	3.2	143	2	US-09-270-767-58245	Sequence 58245, A	1372	72.5	3.1	400	2	US-09-830-230A-153	Sequence 153, App
1300	73.5	3.2	187	2	US-09-270-767-42922	Sequence 42922, A	1373	72.5	3.1	406	2	US-08-311-731A-12	Sequence 12, Appl
1301	73.5	3.2	204	2	US-09-903-456-39	Sequence 39, Appl	1374	72.5	3.1	408	2	US-09-107-532A-3796	Sequence 3796, Ap
1302	73.5	3.2	265	2	US-09-624-670-38	Sequence 38, Appl	1375	72.5	3.1	442	2	US-09-328-352-6877	Sequence 6877, Ap
1303	73.5	3.2	265	2	US-09-270-767-44064	Sequence 44064, A	1376	72.5	3.1	447	2	US-09-694-519-9	Sequence 9, Appli
1304	73.5	3.2	278	2	US-09-248-796A-14504	Sequence 14504, A	1377	72.5	3.1	456	2	US-09-543-681A-6928	Sequence 6928, Ap
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1309	73.5	3.2	342	2	US-09-116-498-6	Sequence 6, Appli	1382	72.5	3.1	620	2	US-09-134-000C-4463	Sequence 4463, Ap
1310	73.5	3.2	342	2	US-09-852-156-6	Sequence 6, Appli	1383	72.5	3.1	631	2	US-09-489-039A-13011	Sequence 13011, A
1311	73.5	3.2	355	2	US-09-826-509-479	Sequence 479, App	1384	72.5	3.1	636	2	US-10-138-075-4	Sequence 4, Appli
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Sequence 177, Application US/09991181									
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GENERAL INFORMATION:									
APPLICANT: Ashkenazi, Avi J.									
APPLICANT: Baker, Kevin P.									
APPLICANT: Botstein, David									
APPLICANT: Desnoyers, Luc									
APPLICANT: Eaton, Dan L.									
APPLICANT: Ferrara, Napoleone									
APPLICANT: Fong, Sherman									
APPLICANT: Gerber, Hanspeter									
APPLICANT: Gerlitsen, Mary E.									
APPLICANT: Goddard, Audrey									
APPLICANT: Godowski, Paul J.									
APPLICANT: Grimaldi, J. Christopher									
APPLICANT: Gurney, Austin L.									
APPLICANT: Kijavlin, Ivar J.									
APPLICANT: Napier, Mary A.									
APPLICANT: Pan, James									
APPLICANT: Paoni, Nicholas F.									
APPLICANT: Roy, Margaret Ann									
APPLICANT: Stewart, Timothy A.									
APPLICANT: Tumas, Daniel									
APPLICANT: Watanabe, Colin K.									
APPLICANT: Williams, P. Mickey									
APPLICANT: Wood, William I.									
APPLICANT: Zhang, Zemin									
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic									
FILE REFERENCE: P2730P1C53									
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/ PRIOR APPLICATION NUMBER: 60/092182
/ PRIOR FILING DATE: 1998-07-09
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/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Deenoyers, Luc
/ APPLICANT: Eaton, Dan L.
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/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: P2730FIC19
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;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 2; Length 445;
Best Local Similarity 100.0%; Pred. No. 1,9e-241;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 241 RIPIIIVMYQNALKEQOHGALSRYLFRCCYCCFCWCLDKYLLHNONAYTTTAINGTDFC 300
Oy 301 TSADAFKILSKNSHFTSINCFDFTIIFLGKVLVVCFTVFGIMAFNRAFOVMAVPL 360
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Oy 361 LTVAFPAVLVAHSLVSFEVTVLADLFLCFPAVDLETNDGSSBKPFMOEFLSPKRSNKL 420
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; Sequence 177, Application us/09997333
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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deansoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter
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APPLICANT: Godowski, Paul J.
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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secretd and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C27
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Query Match          100.0%; Score 2315; DB 2; length 445;
Best Local Similarity 100.0%; Pred. No. 1.9e-241;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 4

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; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyer, Luc
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; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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; PRIOR FILING DATE: 2001-11-14
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Query Match 100.0%; Score 2315; DB 2; Length 445;
Best Local Similarity 100.0%; Pred. No. 1, 9e-241; Indels 0; Gaps 0;
Matches 445; Conservative 0; Mismatches 0;

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Db 301 TSAKDAFKILSKNSSHFTSINCFGDFIIFLGKVLVVCFTVFGGLMAFNYNRAFOYMAVPL 360
Oy 361 LLVAFALVVAHSFLSVETVLDALFLCPAVDLEFNDSSEKPYMDQEFISFVRSNKL 420
Db 361 LLVAFALVVAHSFLSVETVLDALFLCPAVDLEFNDSSEKPYMDQEFISFVRSNKL 420
Oy 421 NNARAQODKHSLRNEGTLEQAIVR 445
Db 421 NNARAQODKHSLRNEGTLEQAIVR 445

RESULT 5
US-09-989-735-177
; Sequence 177, Application US/09989735
; Patent No. 6972185

GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC61
; CURRENT APPLICATION NUMBER: US/09/989,735
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09
Query Match 100.0%; Score 2315; DB 2; Length 445;
Best Local Similarity 100.0%; Pred. No.1,9e-241;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy DLSIEDTERENMKCVLGFALVSTGITAVALVLIIFVLRKRIKLTVELFOITNKAISSAPF 120
Db DLSIEDTERENMKCVLGFALVSTGITAVALVLIIFVLRKRIKLTVELFOITNKAISSAPF 120
Qy LLFQPLMTFALLIFFWVLWVAVLISLGTGAAGVMEGQVEYKPLSGIRYMSYHLIGLI 180
Db LLFQPLMTFALLIFFWVLWVAVLISLGTGAAGVMEGQVEYKPLSGIRYMSYHLIGLI 180
Qy WTSEFIILACQOMTAGAVVTCYFNRSKNDPDHPLISLSLTFPHOCTVVKGSFLISV 240
Db WTSEFIILACQOMTAGAVVTCYFNRSKNDPDHPLISLSLTFPHOCTVVKGSFLISV 240
Qy RIPLIIVWYMONALKEOOGALSRVLFRCYCCFMCCLKYLLHNONAYTTAINGTDFC 300
Db RIPLIIVWYMONALKEOOGALSRVLFRCYCCFMCCLKYLLHNONAYTTAINGTDFC 300
Qy TSADAFKILSKNSHFTSINCFDPIIFLGKVLVVCFTVFGIMAFNYNAPFOVMAVPL 360
Db TSADAFKILSKNSHFTSINCFDPIIFLGKVLVVCFTVFGIMAFNYNAPFOVMAVPL 360
Qy LLVAFPAIVAHSHSLVSEETLDALFLCFANDLETNNGSSKRPFMODELSFYRSKYL 420
Db LLVAFPAIVAHSHSLVSEETLDALFLCFANDLETNNGSSKRPFMODELSFYRSKYL 420
Qy NNARAQODKHSLRNBEGETLOAIVR 445
Db NNARAQODKHSLRNBEGETLOAIVR 445
RESULT 6
US-09-989-726-177
Sequence 177, Application US/09989726
Patent No. 7018811
GENERAL INFORMATION:
;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Deenoyers, Luc
;; APPLICANT: Batoni, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
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;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC60
CURRENT APPLICATION NUMBER: US/09/989,726
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
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PRIOR FILING DATE: 1998-07-02
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;

Best Local Similarity 100.0%; Pred. NO. 1.9e-241; Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSGRDTIIGLILALSLAMMFTFRITTLVHIFISLVILGLFVGVLMWLYDDTN 60
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QY 61 DLSIEDTEREMKCVLGFALVSTGTVLVLFVLRKRIKLYELFOITNKAISSAPF 120
DB 61 DLSIEDTEREMKCVLGFALVSTGTVLVLFVLRKRIKLYELFOITNKAISSAPF 120
QY 121 LLFQPLMTFALLIFPMVLMVAVLVLISGTAGAQAQWEGQVYKPLSGIRYMSYHLIGLI 180
DB 121 LLFQPLMTFALLIFPMVLMVAVLVLISGTAGAQAQWEGQVYKPLSGIRYMSYHLIGLI 180
QY 181 WTSEFIILACQOMTLAGAVVTCYFNRSKNDPPDHPIILSLILFFYHOGTVVKSFLISV 240
DB 181 WTSEFIILACQOMTLAGAVVTCYFNRSKNDPPDHPIILSLILFFYHOGTVVKSFLISV 240
QY 241 RIPRIIWMONALKEQHGALSRILFRCYCCEFCMDKYLHLNUNA YTTTAINGDFC 300
DB 241 RIPRIIWMONALKEQHGALSRILFRCYCCEFCMDKYLHLNUNA YTTTAINGDFC 300
QY 301 TSAADAFILSKNSHFTSINCFDPIIFLGKVLVVCFTVFGGLMAFYNNRPFOWNAVPL 360
DB 301 TSAADAFILSKNSHFTSINCFDPIIFLGKVLVVCFTVFGGLMAFYNNRPFOWNAVPL 360
QY 361 LLVAFAYLVASHFSVETVLDLFLCFAYVLELTNDSSEKPYFMDOEPLSFYKRSNKL 420
DB 361 LLVAFAYLVASHFSVETVLDLFLCFAYVLELTNDSSEKPYFMDOEPLSFYKRSNKL 420
QY 421 NNARAQODKSHLRNEEGTELOAIR 445
DB 421 NNARAQODKSHLRNEEGTELOAIR 445

RESULT 7

US-09-997-514-177
Sequence 177, Application US/09997514
Patent No. 7019116
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyer, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlsen, Mary E.
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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C46
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
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;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;
Best Local Similarity 100.0%; Pred. No. 1,9e-241;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 DLSTELDERENMKCVGFALVSGITAVLLVLIFFVLRKRIKLVVELFQITNKALISSAPF 120
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Db 121 LLFQPLMTFALLIFFWLWVAVLISGTAGAAQVMEGQVEKPLSGIRYMSYHLIGLI 180
Qy 181 WTSEFIIACQOMTIAGAVVTCYFNRSKNDPPDHLISLSLFFPYHOGTVVXGSLISV 240

Db 181 WTSEFIACQQTIGAVTTCFNNSSKNDPRHPIIISLSILFIHQGVVAGSLIIV 240
Qy 241 R1PRTIWMONALBEOQHGLSRFLFRCCYCCFCLDKYLIHNONATTAINGDP 300
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Qy 301 TSAXAPKILSKNSHFTSINCGFPII FLGKVLVVCFTVFGGLMAFNVRAPQVAVPL 360
Db 301 TSAXAPKILSKNSHFTSINCGFPII FLGKVLVVCFTVFGGLMAFNVRAPQVAVPL 360
Qy 361 L1VAFAVLVHSHFLSVETVLDALFLCFVAVDLETFNDSSSEKPYFMDFLSFVRSNKL 420
Db 361 L1VAFAVLVHSHFLSVETVLDALFLCFVAVDLETFNDSSSEKPYFMDFLSFVRSNKL 420
Qy 421 NNARAQODKSHIRNEGTLOAIVR 445
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RESULT 8

US-09-989-728-177
; Sequence 177, Application US/09989728
; Patent No. 7029873
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerder, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tunas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PC72
; CURRENT APPLICATION NUMBER: US/09/989,728
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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PRIOR APPLICATION NUMBER: 60/091982

PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

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Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 DLSIEDTERBNKCVGFAIVSTGITAVALVLIFFLRKRIKLTVELFQITNKAISSAPF 120
DB 61 DLSIEDTERBNKCVGFAIVSTGITAVALVLIFFLRKRIKLTVELFQITNKAISSAPF 120

QY 121 LTFQPLMTFAILLFFWLVWAVLISGTAGAAQVMEGQVBYKPLSGIRTMWSYHLGLI 180
DB 121 LTFQPLMTFAILLFFWLVWAVLISGTAGAAQVMEGQVBYKPLSGIRTMWSYHLGLI 180

QY 181 WTSEFIACQOMTIAGAVVTCYFNRSKNDPDPHILSLILFFYHOGTVVKSFLISVV 240
DB 181 WTSEFIACQOMTIAGAVVTCYFNRSKNDPDPHILSLILFFYHOGTVVKSFLISVV 240

QY 241 RIPRIIWMQNALKEQHGALSRFLRCYCCFCWCLDKYLLHNOAYTTTAINGTDFC 300
DB 241 RIPRIIWMQNALKEQHGALSRFLRCYCCFCWCLDKYLLHNOAYTTTAINGTDFC 300

QY 301 TSADAFKILSKNSHSTSNCFDFTIIFLGKVLVVCFTVFGGMAFNRYRAFQVMAVPL 360
DB 301 TSADAFKILSKNSHSTSNCFDFTIIFLGKVLVVCFTVFGGMAFNRYRAFQVMAVPL 360

QY 361 LTVAFPAVLVAHSLVFETVLDLFLCPAVDETNDSSSEKPYFMDQEFLSFYKRSNKL 420
DB 361 LTVAFPAVLVAHSLVFETVLDLFLCPAVDETNDSSSEKPYFMDQEFLSFYKRSNKL 420

QY 421 NNARAQODKSLRNEBGETELQATVR 445
DB 421 NNARAQODKSLRNEBGETELQATVR 445

RESULT 9
US-09-997-349-177
Sequence 177, Application US/09997349
Patent No. 7034106
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Bostein, David
APPLICANT: Deanoys, Luc
APPLICANT: Ealon, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gettitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijaviri, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
Acids Encoded the Same
FILE REFERENCE: P2730P1C37

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;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09
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Query Match      100.0%; Score 2315; DB 3; Length 445;
Beet Local Similarity 100.0%; Pred. No. 1.9e-241;
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Qy      61 DLSIEDTERENMKCVGFATVSGITAVLVLFVLRKRIRKLTVELFOITNKAISSAPF 120
Db      61 DLSIEDTERENMKCVGFATVSGITAVLVLFVLRKRIRKLTVELFOITNKAISSAPF 120

Qy      121 LLFQPLMTFALIFEFVLMVAVLVLSTGTGAQVMEGQVEKPLSGIRYMSYHLIGLI 180
Db      121 LLFQPLMTFALIFEFVLMVAVLVLSTGTGAQVMEGQVEKPLSGIRYMSYHLIGLI 180

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Db      181 WTSEITLACQOMTTAGAVVTCYFNRSKNDPPDHPLLSLSLTFYHOGTVVKGSLISV 240

Qy      241 RIPRIIVWMONALKEQOOGALSRVLFRCVCCCFCLPKYLLHNLONAYTTTAINGTDFC 300
Db      241 RIPRIIVWMONALKEQOOGALSRVLFRCVCCCFCLPKYLLHNLONAYTTTAINGTDFC 300

Qy      301 TSADKAFILSKNSSHFTSINCFGDFIIFLGKVLVVCFTVFGMLAFYNNRPFQWAVPL 360
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Qy      361 LLVAFALVVAHSFLSVETVLDALFLCPAVLDLENDDSSSEKPYMDPEFSFYKRSKL 420
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Qy      421 NNARAOODKHSILRNEGTLOAIR 445
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RESULT 10
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; Sequence 177: Application US/09997653
; Patent No. 7034122
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
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;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C38
;; CURRENT APPLICATION NUMBER: US/09/997,653
;; CURRENT FILING DATE: 2001-11-15
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-07-02
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; length 445;
Best Local Similarity 100.0%; Pred. No. 1, 9e-241;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSGRDTILGCIATLALSLAMFTFRPTTLVHIFISLVILGLLFCVGLMWLYDYTN 60
DB 1 MSGRDTILGCIATLALSLAMFTFRPTTLVHIFISLVILGLLFCVGLMWLYDYTN 60
QY 61 DLSTELDERENMVCVGFALVSTGTAVALVILFVLRKRKLVELFOINKAISSAPF 120
DB 61 DLSTELDERENMVCVGFALVSTGTAVALVILFVLRKRKLVELFOINKAISSAPF 120
QY 121 LRFQPLWTFALLIFFWLWVAVALSLSTAGAAQVMEGGQVEYKPLSGIRYMSYHLIGLI 180
DB 121 LRFQPLWTFALLIFFWLWVAVALSLSTAGAAQVMEGGQVEYKPLSGIRYMSYHLIGLI 180
QY 181 WTSEFIACQOMTAGAVVTCYFNRSXNDPPDHEILSSLSLTFYHOGTVVXGSFLISV 240
DB 181 WTSEFIACQOMTAGAVVTCYFNRSXNDPPDHEILSSLSLTFYHOGTVVXGSFLISV 240
QY 241 RIRPIIWMQONAKKEOHGALSRYLFRCCYCCWCSGDKVYLHLNONAYTTAINGDFC 300
DB 241 RIRPIIWMQONAKKEOHGALSRYLFRCCYCCWCSGDKVYLHLNONAYTTAINGDFC 300
QY 301 TSADAFKILSKNSHFTSINCFDFTIIFLGKVLVVCFTVFGIMAFYNNRQFVMAVPL 360
DB 301 TSADAFKILSKNSHFTSINCFDFTIIFLGKVLVVCFTVFGIMAFYNNRQFVMAVPL 360

Qy 361 LVAFAVLVAHSLVSEVETLADLFLCGAVDLETTNDSSSKPYMDOEFLSFYRSNKL 420
Db 361 LVAFFALVAHSLVSEVETLADLFLCGAVDLETTNDSSSKPYMDOEFLSFYRSNKL 420
Qy 421 NNARAQODKHSLRNEEGTELQAVR 445
Db 421 NNARAQODKHSLRNEEGTELQAVR 445

RESULT 11
US-09-989-293A-177
Sequence 177, Application US/09989293A
Patent No. 7034136
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottlieb, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PLC66
CURRENT APPLICATION NUMBER: US/09/989,293A
PRIOR FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2315; DB 3; Length 445;

Best Local Similarity 100.0%; Pred. No. 1.9e-241; Indels 0; Gaps 0;

Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MSGRDTLGLCTIALALSLAMFTFRFTTLLVHIFISLVILGLFVCGVLMWLYDYTN 60

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QY 61 DLSIEDTERENKCVGFAIVSTGTAVALVIFVLRKRIKLVLFQITNKAISSAPF 120
DB 61 DLSIEDTERENKCVGFAIVSTGTAVALVIFVLRKRIKLVLFQITNKAISSAPF 120
QY 121 LIPQPLMTFPAIILFFWLVMAVAVLSLGTAGAAGVMEGQVYKPLSGIRYMSYHLIGLI 180
DB 121 LIPQPLMTFPAIILFFWLVMAVAVLSLGTAGAAGVMEGQVYKPLSGIRYMSYHLIGLI 180
QY 181 WTSEFIACQMTAGAVVTCYFNRSKNDPDHPLSLSLFFPYHOGTVVKGSLISVV 240
DB 181 WTSEFIACQMTAGAVVTCYFNRSKNDPDHPLSLSLFFPYHOGTVVKGSLISVV 240
QY 241 RIPRIIYMNOMALKEOQHGALSYLRCCYCCWCCLDKYLIHLNOMAYTTAINGDFC 300
DB 241 RIPRIIYMNOMALKEOQHGALSYLRCCYCCWCCLDKYLIHLNOMAYTTAINGDFC 300
QY 301 TSAADAFKLSKNSHFTSINCFDFTIPLGKVLVVCFTVFGMLAFYVNAFQVMAVPL 360
DB 301 TSAADAFKLSKNSHFTSINCFDFTIPLGKVLVVCFTVFGMLAFYVNAFQVMAVPL 360
QY 361 LTVAFPAVLVAHSFLSVFETVLDALFLCPAVDLETNDSSSEKPYMDOEFLSVKRSNKL 420
DB 361 LTVAFPAVLVAHSFLSVFETVLDALFLCPAVDLETNDSSSEKPYMDOEFLSVKRSNKL 420
QY 421 NNARAQODKISLRNEBGETLOAIR 445
DB 421 NNARAQODKISLRNEBGETLOAIR 445

RESULT 12

US-09-547-789-7
Sequence 7, Application US/09547789
Patent No. 6943235
GENERAL INFORMATION:
APPLICANT: Daniel E.H. Afar
APPLICANT: Rene S. Hubert
APPLICANT: Kahan Leong
APPLICANT: Arthur B. Raitano
APPLICANT: Douglas C. Saffran
TITLE OF INVENTION: NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED
TITLE REFERENCE: 129.11USU1
CURRENT APPLICATION NUMBER: US/09/547,789
CURRENT FILING DATE: 2000-04-12
EARLIER APPLICATION NUMBER: 60/128,858
EARLIER FILING DATE: 1999-04-12
NUMBER OF SEQ ID NOS: 71
SOFTWARE: PasteSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 704
TYPE: PRT
ORGANISM: Human
US-09-547-789-7

Query Match 25.7%; Score 594.5; DB 2; Length 704;

Best Local Similarity 30.1%; Pred. No. 4e-55; Indels 99; Gaps 15;

Matches 147; Conservative 90; Mismatches 153; Indels 99; Gaps 15;

QY 7 ILGCTIALALSLAMFTFRFTTLLVHIFISLVILGLFVCGVLMWLYDYTN--- 60

DB 234 ILGL-VIAMASLSLFTILNRFILAGIMVWMIIVILVIGIIFC-----YMEYSRLRG 286

QY 61 -----DISIELDTE-----RENKCVGFAIVSTGTAVALVIFVLRKRIKLV 106

DB 287 EAGSDVSLVDLGFQTDPRVYLHRLQTW---LAFWIIISILEVITILLIFLRKRIILAIA 343

QY 107 LFOITNKAISSAPFLFQPLMTFPAIILFFWLVMAVAVLSLGTAGAAG----- 153

DB 344 LKASRAVGVWMSLLYPLVTFPLCLCTIAYMASTVFLVSTSENAVYKKIFDSDPCPPTA 403

QY 154 -----VMEGQVY-KPLSGIRYMSYHLIGLIWTSFILA 188

Db 404 KTCNPEFPSSHESRQCPCNACQFVFGESGSHRALLGLQI---FNAFMFEMLANFYLA 460
Qy 189 CQQTITAGAVTCTCN-RSKNDPRDHPILSLSLTFPHOQTVVKGSLISVAVIPRIIV 247
Db 461 LGQVTLGAFASYSYWAARKRPDLPAFPFLSAFGRLARHTGSLAFLGALILAIIVDIRTL 520
Qy 248 MYMONALKEOQHGALSRFLFRCCYCCFCWCLDKYLLHNONAYTTAINGDFTCSAKDAF 307
Db 521 EYLDORLKAEN-KPAKLTMTCLKCCFCWCLDKYLLHNONAYTTAINGDFTCSAKDAF 579
Qy 308 KILSKNSHFTSINCFDPIIFLQKVLVVCFTVFGILMAF-----NYN 350
Db 580 FLAMRNIRVAVLKVTDPLFLQKVLVVCFTVFGILMAF-----NYN 350
Qy 351 RAFOVNAVPLLVAFVAVHSPISVEPTVLDALFLCFVADLETNOSSEKPYEMOEF 410
Db 636 ---YV-VPIITLVGSYLIAHGFPFSYVGMCDVTLFLCFLEDLERNDSABRPYFMSSTL 690
Qy 411 LSPVRSNK 419
Db 691 KKLKNTKX 699

RESULT 13

US-10-104-047-3465
; Sequence 3465, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3465
; LENGTH: 717
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3465

Query Match 24.3%; Score 563; DB 2; Length 717;
Best Local Similarity 29.7%; Pred. No. 1,1e-51;

Matches 142; Conservative 87; Mismatches 171; Indels 78; Gaps 14;

Qy 7 ILGLIALALSLAMFTFRPITTLVHIFISLVILGLFVCGV-LMWLYDYDTN----- 60
Db 246 LIGLIT-AMVLSWIPILIRFIAGCLFWVF---MIGVIGIYGIMHCYQOYTLQERP 300
Qy 61 -----DLSTELDER--ENMKCVLGAIVSTGTAVALVILFRLRRIKLTVELPQIT 111
Db 301 SSVLTYYIGQTNISMVFELOQWTFMTIILCIIEVILMLIFLRNRIRAVAILLEKG 360
Qy 112 NKAISSAPFLFQPLMTFAIILFFVWLWVAVLLSSTAGA----- 151
Db 361 SKAIGYVSTVLPALTYLILSLICCYVAVTAFLATSGVPRYKVIAGGCHENQCD 420
Qy 152 -----AQMVEGGQVEYKPLSG---IRYMSYHLGL--IWTSEFIIACQOMTIA 195
Db 421 PEIFETTEIAACPCALCNFAFYGGKSLYHQYIPFHYVNFVFLMLINFLVALQOCALA 480
Qy 196 GAVVTCYENRSK-NRPDPHPISSLSILFFYHOGVNVGSLISVVRIPRIIVMNMAL 254
Db 481 GAFATYVAMKRPDIPRYPEPTAGRAIRHTGSLAGSLIALIQMFKVLVEYLDHRL 540
Qy 255 KEQHGALSRYLFRCCYCCFCWCLDKYLLHNONAYTTAINGDFTCSAKDAFKILSKNS 314
Db 541 KRTQN-TLSKPLQCCLRCCFCWCLDKYLLHNONAYTTAINGDFTCSAKDAFKILSKNS 599
Qy 315 SHFTSINCFGDFIIFLGKVLV-----VCFT-----VFGILMAFYNRAFOVNAVPL 360

Db 600 LKNAVTDVETVYFVLFLGKLLVAGSIGVLAFLFFQRLPVIAQGPASINY-----YV-VPL 653
Qy 361 LVAFAFYVAHSLSTFETVLDALFLCFVADLETNOSSEKPYEMOEFISFYKRN 418
Db 654 LTVIFGSYLLIAHGFPFSYVAMCVETIFICFLEDLERNDSABRPYVSOPLKIFQEBN 711

RESULT 14

US-09-547-789-2
; Sequence 2, Application US/09547789
; Patent No. 6943235
; GENERAL INFORMATION:
; APPLICANT: Daniel E. H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Kahan Leong
; APPLICANT: Arthur B. Raitano
; TITLE OF INVENTION: NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED
; FILE REFERENCE: IN PROSTATE CANCER
; CURRENT APPLICATION NUMBER: US/09/547,789
; PRIOR FILING DATE: 2000-04-12
; EARLIER APPLICATION NUMBER: 60/128,858
; EARLIER FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 710
; TYPE: PRT
; ORGANISM: Human
US-09-547-789-2

Query Match 23.3%; Score 540; DB 2; Length 710;
Best Local Similarity 28.0%; Pred. No. 3.2e-49;

Matches 135; Conservative 96; Mismatches 160; Indels 90; Gaps 14;

Qy 12 ILALALSLAMFTFRPITTLVHIFISLVILGLFVCGV-LMWLY----- 56
Db 233 LVALGVALLVSLFLPILRLVAGPLVVLILGVL---GVLAHYGYCWEERYVLRDKAS 289
Qy 57 ----DYNDLSIELDERENKCVLGAIVSTGTAVALVILFRLRRIKLTVELPQITN 112
Db 290 ISQUGFTTNLSAYOSVQETWLAALIVAV---LEAILLMLIFLRRIKLTVELPQITN 345
Qy 113 KAISSAPFLFQPLMTFAIILFFVWLWVAVLLSSTAGA-----AAQVMEGGQVEYKPL 165
Db 346 KAVGQNMSTMFPLVTLVILICIAVYAMTRALYATSGQPYVYMASNISPG-CEKVP 404
Qy 166 S-----GIRYMS-----YHLGLIWTSEFIIACQOMT 193
Db 405 NTSCNPTAHLVNSCPCGIMCVFGYSSKGLIQRSEVFNLIQIVGVGLFMTLWVVALQOCV 464
Qy 194 IAGAVTCYENRSK-NRPDPHPISSLSILFFYHOGVNVGSLISVVRIPRIIVMNMON 252
Db 465 IAGAFASFYVAFHKRPDIPTEPLISAFIRTLRYHTGSLAGFALLITLVQIARVILEYIDH 524
Qy 253 ALKEQHGALSRYLFRCCYCCFCWCLDKYLLHNONAYTTAINGDFTCSAKDAFKILSK 312
Db 525 KLRGVON-PVARKIMCPCCKCLMCKEYIKFLNRNAIMAIYGRNCRSAKDAFNLIMNV 583
Qy 313 NSHFTSINCFGDFIIFLGKVLV-----CFYVFGILMA-----FYNRAFOVW 356
Db 584 NIVRVVVLDKVTDLLFFGKLLVGVGVLSFFFSGRIPQLGKDFKSPHLNY-----YV 638
Qy 357 AVPLLVAFYVAVHSLSTFETVLDALFLCFVADLETNOSSEKPYEMOEFISFYK 416
Db 639 -LPIMTSLGAYIASGFSYVGMCDVTLFLCFLEDLERNDSABRPYVSKSLKILGK 697
Qy 417 SNK 419
Db 698 KNE 700


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RESULT 15
US-09-547-789-5
; Sequence 5, Application US/09547789
; Patent No. 6943235
; GENERAL INFORMATION:
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Kahan Leong
; APPLICANT: Arthur B. Raitano
; APPLICANT: Douglas C. Saffran
; TITLE OF INVENTION: NOVEL 13-TRANSMEMBRANE PROTEIN EXPRESSED
; FILE REFERENCE: 129.11USU1
; CURRENT APPLICATION NUMBER: US/09/547,789
; CURRENT FILING DATE: 2000-04-12
; EARLIER APPLICATION NUMBER: 60/128, 858
; EARLIER FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 705
; TYPE: PRT
; ORGANISM: Mouse
US-09-547-789-5

Query Match      23.3%; Score 538.5; DB 2; Length 705;
Best Local Similarity 27.7%; Pred. No. 4.6e-49;
Matches 133; Conservative 87; Mismatches 174; Indels 87; Gaps 9;

QY 12 ILALSLAMMTPTFFITTLVHIFISIVIIIGLFLVC--GVL-WMLVYDYNTDLSIEDT 68
Db 229 LVALLGVALLSLFLTLRLVAAPLVLLIIVGLVLAIVAGYHCWQOYQVFRDKASITQ 288
QY 69 ERENMKCVLGEA-----IVSTGITVAVLVIIVLRKRIKLTVELFQIT 111
Db 289 -----LGFTTNSAYQSVKETMLALIVLAVLEGLLMLIFLRQRIKRIATALLKEA 340
QY 112 NKAISSAPFLFQPLMTPAIIIFFWLWVAVVLSIGTGAAG----- 153
Db 341 SRAVGQWMTFVPLVFLVLCIGYWAATVATYATSGOPQYIYMASTSTPGCENVPV 400
QY 154 -----VMEGGOVEYKPLSGIRVMSYHLIGLWTSBFLACQQMTI 194
Db 401 NMTCDPMAPLNSSCPNLKCVFKGISTGTGAQPSLFLNLIQYGLFWTVNWLALGQCVL 460
QY 195 AGAVVTCYFNRSK-NDPPDHPILSSILFFYHOGTVKGSFLISVARIPIIIVMYMNA 253
Db 461 AGAFASFYMAFHKPRDIPFPLSSAFITRLRYHGSIAFGALLISIVQIARVILEYIDHK 520
QY 254 LKEQDHGALSRYLPRCCYCCFWCLDKYLLHINQNAVTTTAINGTDPCTSAKAPKILSKN 313
Db 521 LRGSQN-FVARCIIICCFKCCMLCEKFKIFLNRAVIMAIYGNKFCVSAKNAFWLLMRN 579
QY 314 SSHFTSINCFGDFIIFLGKVLVVCFTVFGMAFNY-----NRAQWNAV 358
Db 580 VLRVVVLDKVTDLFLFGKLLV-----GSVGVLSFFFGSRIGLKGDFENPNLNTYWL 634
QY 359 PLLVAFPAVLVAHSFLVFETVDALFLCPAVDLETNDGSSSEKPYFMDQEFLSFVKRSN 418
Db 635 PIMTSIMGAYVYIAGGFFVFGMCVDTLFLCLFLEDERNDGSGQERPYMPKALLIKILGKN 694
QY 419 K 419
Db 695 B 695
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Search completed: June 15, 2006, 07:03:36
Job time : 45 secs

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